



(REFERENCE COPY - Not for submission)

Displacement for LPTV Translator Application

File Number: **0000029188** | Submit Date: **08/08/2017** | Call Sign: **K46FG-D** | Facility ID: **47970** | FRN: **0002385441** | State: **Nebraska** | City: **FALLS CITY**

Service: **LPT** | Purpose: **Displacement BLDTT-20081114ACM** | Status: **Pending** | Status Date: **08/08/2017** | Filing Status: **Active**

General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	Yes

Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	Does this filing request a waiver of the Commission's rule(s)?	Yes
	Total number of rule sections involved in this waiver request:	

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION Doing Business As: NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION	Technology Services 1800 N. 33RD STREET LINCOLN, NE 68503 United States	+1 (402) 472-9333	msperling@netad. unl.edu	Government Entity

Authorization Holder Name

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

Contact
Representatives
(3)

Contact Name	Address	Phone	Email	Contact Type
BARRY PERSH GRAY MILLER PERSH LLP	1200 NEW HAMPSHIRE AVE., NW SUITE 410 WASHINGTON, DC 20036 United States	+1 (202) 776- 2458	BPERSH@GRAYMILLERPERSH. COM	Legal Representative
Matthew Sperling <i>Systems Engineer</i> NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION	1800 N. 33RD STREET LINCOLN, NE 68503 United States	+1 (402) 472- 9333	msperling@netad.unl.edu	Technical Representative
Douglas Lee Vernier <i>Engineering Consultant</i> Doug Vernier, Telecommunications Consultants	Doug Vernier, Telecommunications Consultants 1600 Picturesque Dr Cedar Falls, IA 50613 United States	+1 (319) 266- 8402	dvernier@v-soft.com	Technical Representative

Alien Ownership

Question	Response
1) Is the applicant a foreign government or the representative of any foreign government as specified in Section 310(a) of the Communications Act?	
2) Is the applicant subject to the provisions set forth under Section 310(b) of the Communications Act, for a broadcast, common carrier, aeronautical en route, or aeronautical fixed radio station Authorization?	
3) Is the applicant an alien or the representative of an alien? (Section 310(b)(1))	
4) Is the applicant a corporation, or non-corporate entity, that is organized under the laws of any foreign government? (Section 310(b)(2))	
5) Is the applicant an entity of which more than one-fifth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any entity organized under the laws of a foreign country? (Section 310(b)(3))	
6) Is the applicant directly or indirectly controlled by any other entity of which more than one-fourth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any entity organized under the laws of a foreign country? (Section 310(b)(4))	
7) Has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application?	
8) Has there been any change in the applicant's foreign ownership since issuance of the declaratory ruling(s) cited in response to Question 7?	
8a) Enter the File or Docket Number of the Petition for Declaratory Ruling that the applicant has filed for its foreign ownership in connection with this application pursuant to Section 310(b)(4) of the Communications Act. It is not necessary to file a request for a foreign ownership declaratory ruling if the applicant attaches a showing that the requested authorization(s) is exempt from the provisions of Section 310(b)(4).	
9) Does the applicant's foreign ownership comply with the declaratory ruling(s) cited in response to Question 7?	

Basic Qualifying Questions

Section	Question	Response
Revoked Application	Has the Applicant or any party to this application had any FCC station Authorization revoked or had any application for an initial, modification or renewal of FCC station Authorization denied by the Commission?	No
State or Federal Convictions	Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court?	No

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	47970
	State	Nebraska
	City	FALLS CITY
	LPT Channel	25

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1027165
Coordinates (NAD83)	Latitude	40° 13' 11.0" N+
	Longitude	095° 39' 56.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	152.1 meters
	Support Structure Height	141.3 meters
	Ground Elevation (AMSL)	348.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	138.4 meters
	Height of Radiation Center Above Mean Sea Level	487.0 meters
	Effective Radiated Power	8.3 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Non-Directional
	Do you have an Antenna ID?	Yes
	Antenna ID	18061
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	DLP-12B
	Rotation	
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
Elevation Radiation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Simple

**Parties to the
Application (0)**

Information not provided.

Attributable Interest

Section	Question	Response
Equity and Financial Interests	Applicant certifies that equity and financial interests not set forth by the applicant parties are non-attributable.	
Other Authorizations	Does the applicant or any party to the application have an attributable interest in any other broadcast station(s).	

Construction
Permit
Certifications

Section	Question	Response
Post-Incentive Auction Expedited Processing	It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.	
	It will operate post-incentive auction facilities that do not expand the noise-limited service contour in any direction beyond that established by the post-incentive auction channel reassignment public notice.	
	It will operate post-incentive auction facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the post-incentive auction channel reassignment public notice.	
	The antenna structure to be used by this facility has been registered by the Commission and will not require re-registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely affect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	
Environmental Effect	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See Section 1.1306 of 47 C.F.R.)	No
Broadcast Facility	The proposed facility complies with all of the following applicable rule sections. 47 C.F.R. Sections 74.709, 74.793 (e), 74.793(f), 74.793(g), 74.793(h)	Yes

Legal
Certifications

Section	Question	Response
Character Issues	Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with: (a) any broadcast application in any proceeding where character issues were left in unresolved or were resolved adversely against the applicant or party to the application; or (b) any pending broadcast application in which character issues have been raised.	
Adverse Findings	Has the Applicant or any party to this application had an adverse finding or an adverse final action taken by any court or administrative body in a civil or criminal proceeding brought under any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?	
Program Service Certification	Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	
Local Public Notice	Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.	Yes
Equal Employment Opportunity (EEO)	If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report.	
Auction Authorization	If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.	N/A
Rebroadcast Certification	(For Applicants proposing rebroadcasts that are not the licensee of the primary station) Applicant certifies that written authority has been obtained from the licensee of the station whose programs are to be retransmitted.	N/A

Certification

Section	Question	Response
General Certification Statements	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	
	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application. WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Ling Ling Sun <i>CTO</i> 08/08/2017

Attachments

File Name	Uploaded By	Attachment Type	Description
K46FG D. comparison.pdf	Applicant	All Purpose	Coverage Comparison
Request for Waiver of the Displacement Freeze.pdf	Applicant	All Purpose	Request for Waiver of the Displacement Freeze
RF Emissions Analysis.docx	Applicant	Construction Permit Certifications	R.F. emissions analysis
TVStudy_Run_V-Soft Text Output.pdf	Applicant	All Purpose	OET 69 analysis

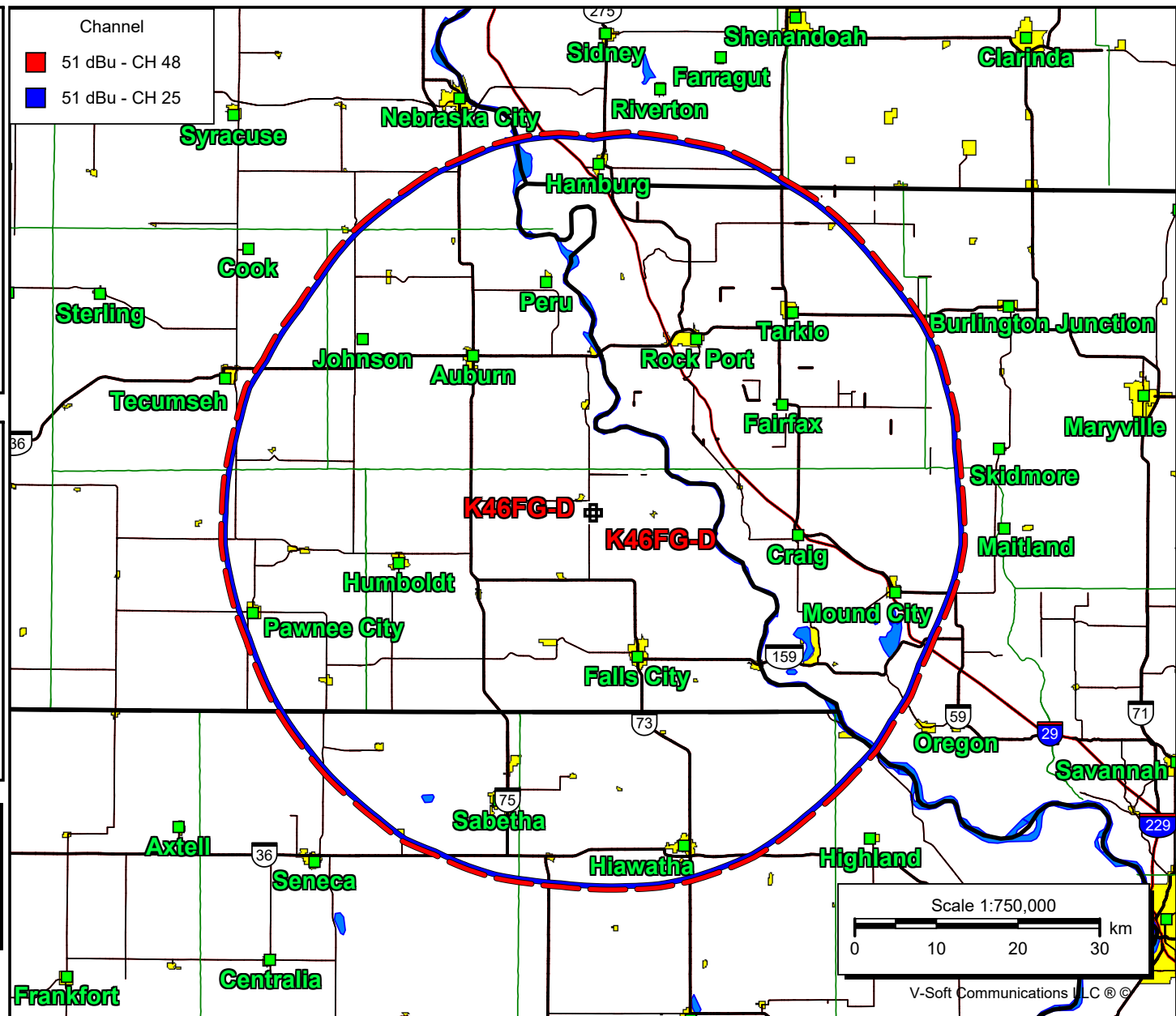
K46FG-D

BLDTT-20081114ACCM
Latitude: 40-13-11 N
Longitude: 095-39-55.04 W
ERP: 8.30 kW
Channel: 46
Frequency: 665.0 MHz
AMSL Height: 494.6 m
Elevation: 348.6 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.75
Prop Model: None

K46FG-D

BLDTT-20081114ACCM
Latitude: 40-13-11 N
Longitude: 095-39-55.04 W
ERP: 8.30 kW
Channel: 25
Frequency: 539.0 MHz
AMSL Height: 487.0 m
Elevation: 348.44 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 1.5

Doug Vernier
401 Main Street, Suite 213
Cedar Falls, Iowa 50613
Telecommunication Consultants



Request for Waiver of the Displacement Freeze

Pursuant to the *Incentive Auction Task Force and Media Bureau Set Forth Tools Available to LPTV/Translator Stations Displaced Prior to the Special Displacement Window*, Public Notice, DA 17-584 (June 14, 2017), Nebraska Educational Telecommunications Commission ("NET") respectfully requests waiver of the current freeze on the filing of translator displacement applications (see *Freeze on the Filing of Applications for Digital Replacement Translator Stations and Displacement Applications*, Public Notice, 29 FCC Rcd 6063 (MB 2014)). This application seeks to change TV translator K46FG-D, Falls City, Nebraska to channel 25 due to displacement by T-Mobile's impending use of the 600 MHz band.

NET received letter notification from T-Mobile stating that K46FG's use of its current channel will be displaced by T-Mobile 120 days from July 27th, 2017, the date of the letter. T-Mobile references its obligation to provide advance notification as is required by FCC regulation, 47 CFR §73.3700(g)(4).

A waiver of the Displacement Freeze will serve the public interest by allowing K46FG to operate on an available channel, thus maintaining its educational TV services to the local community and eliminating any potential interference it may cause to T-Mobile's service on channel 46. The attached OET 69 analysis shows that NET's operation on channel 25 will not cause interference above the threshold level set by Commission staff.

As required by the June 14, 2017 Public Notice referenced above, the T-Mobile letter is attached to this request for waiver as page #2 and #3.



VIA CERTIFIED MAIL & EMAIL

July 27, 2017

NEBRASKA EDUCATIONAL TELECOMMUNICAT

1800 N 33rd St

Lincoln, NE 68503

RE: Notification of Intent to Begin 600MHz Operations

Dear K46FG-D/ Facility ID:47970 Licensee:

T-Mobile USA, Inc. ("T-Mobile") is notifying you that T-Mobile is preparing to commence operations on its 600MHz spectrum in the Partial Economic Area ("PEA") # 317 by 11/27/2017 and your station is likely to cause harmful interference to T-Mobile's operations.

To determine if your station(s) is likely to cause interference, an interference analysis has been performed, as specified by the Federal Communications Commissions' ("FCC") Inter-service Interference procedures¹, using publicly available information in the FCC's Licensing and Management System ("LMS") for your facility. This analysis predicts field strength at T-Mobile's base station and user equipment locations in the PEA # 317 market from your facility. The FCC has set the thresholds at which the predicted field strength from low power TV and translator stations creates a sufficient interference risk to wireless facilities. T-Mobile has determined that your facility exceeds those thresholds and is an interference risk to its wireless operations.

T-Mobile will commence its operations in the PEA # 317 market on 11/27/2017. This letter provides the 120 days' advance notification required by FCC regulations, 47 CFR §73.3700(g)(4).

¹ See 30 FCC Rcd 12049, 12071, para. 49 (2015)

The FCC regulations also require you to cease operations or eliminate the potential for harmful interference to T-Mobile's wireless facilities in the PEA # 317 market.

The FCC will work with you to attempt find a new television channel outside of the new 600 MHz mobile band that will not interfere with T-Mobile's network. You should review the FCC's Tools Available to LPTV/Translator Station Public Notice (enclosed) released on June 14, 2017 and contact Hossein Hashemzadeh, Melvin Collins, or Barbara Kreisman at the FCC for more information about the options available in your area.²

Please email 600MhzFC@T-Mobile.com once you have determined when you will eliminate the interference. If you would like additional information regarding our findings or if it might be possible to coordinate our operations, please submit a request to Dan Wilson, Sr. Manager, Spectrum Engineering, at 600MhzFC@T-Mobile.com.

Sincerely,

/s/ Dan Wilson

Sr. Manager, Spectrum Engineering, T-Mobile USA, Inc.

² See <https://www.fcc.gov/document/iatf-mb-set-forth-tools-available-lptvtranslator-stations>

RF Emissions Analysis:

The proposed antenna will be side mounted and will not add to the height of the existing authorized tower.

Using the OET formulas and a the proposed ERP of 8.3 kW, with a 0.2 vertical field at the nadir and the DL-12B antenna with its center mounted at 136.4 meters above head height on the ground, we can show that the proposed antenna generate 1.19 uw/cm^2 . This is 0.0663 percent of the maximum exposure level of $1,796.7 \text{ uw.cm}^2$ for a controlled area and 0.3318 percent for an uncontrolled area. Since these values are well below one percent, no further analysis was deemed necessary.

The applicant will reduce power or terminate transmission in the event a person or worker requires to be at a distance from the antenna that would result in excessive exposure.

The site has R.F. warning signs posted.

Nebraska Educational Television

tvstudy v2.2.3 (ujVPF2)

Database: 127.0.0.1, Study: BLDTT20081114ACM (62), Model: Longley-Rice

Start: 2017.08.05 12:45:26

Study created: 2017.08.05 12:44:30

Study build station data: LMS TV 2017-08-04 (8)

Proposal: K46FG-D D25 LD LIC FALLS CITY, NE

File number: BLDTT20081114ACM

Facility ID: 47970

Station data: User record

Record ID: 56

Country: U.S.

Build options:

Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KCTV	D24	DT	LIC	KANSAS CITY, MO	BLCDT20110405ABD	157.8 km
KCKS-LD	D25	LD	LIC	KANSAS CITY, KS	BLANK0000004587	139.7
KMCI-TV	D25	DT	CP	LAWRENCE, KS	BLANK00000026812	168.6
KQMK-LD	D25	LD	LIC	LINCOLN, NE	BLANK00000010849	135.6
KQMK-LD	D25	LD	APP	LINCOLN, NE	BLANK00000014083	106.7
KQMK-LD	D25	LD	CP	LINCOLN, NE	BLANK00000010936	106.7
KNPN-LD	D26	LD	LIC	SAINT JOSEPH, MO	BLDTL20120426ACC	87.5
KPTM	D26	DT	CP	OMAHA, NE	BLANK00000025697	105.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25
Mask: Simple
Latitude: 40 13 11.00 N (NAD83)
Longitude: 95 39 56.00 W
Height AMSL: 487.0 m
HAAT: 0.0 m
Peak ERP: 8.30 kW
Antenna: BOG-B16UO (ID 18061) 0.0 deg
Elev Pattn: Dielectric DLP-12B

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	6.72 kW	181.5 m	46.0 km
45.0	6.72	192.2	46.6
90.0	8.30	167.6	46.2
135.0	5.31	165.9	43.8
180.0	6.72	180.3	45.9
225.0	5.31	177.0	44.5
270.0	8.30	169.1	46.3
315.0	6.72	160.7	44.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 174 m

Distance to Canadian border: 927.0 km

Distance to Mexican border: 1272.6 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 289.4 degrees Distance: 246.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 272.6 degrees Distance: 811.4 km

Study cell size: 1.00 km
 Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
 Maximum new IX to LPTV: 2.00%

 Interference to BLCDT20110405ABD LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCTV	D24	DT	LIC	KANSAS CITY, MO	BLCDT20110405ABD	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	157.8 km
	KKAF-CD	D24	DC	CP	SILOAM SPRINGS, AR	BLANK0000025891	324.5
	KGPT-CD	D24	DC	LIC	WICHITA, KS	BLDTA20130404ABI	292.5
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	375.8
	KMCI-TV	D25	DT	CP	LAWRENCE, KS	BLANK0000026812	11.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	33940.7	2,546,851	33569.1	2,545,626	33416.0	2,542,858	0.03 0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
K46FG-D	D25	LD	LIC	11.1	272	11.1	272
KGPT-CD	D24	DC	LIC	1.0	10	1.0	10
KMOV	D24	DT	LIC	21.9	59	19.9	54
KMCI-TV	D25	DT	CP	132.2	2,704	130.2	2,699

 Interference to BLCDT20110405ABD LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCTV	D24	DT	LIC	KANSAS CITY, MO	BLCDT20110405ABD	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	157.8 km

KKAF-CD	D24	DC	CP	SILOAM SPRINGS, AR	BLANK0000025891	324.5
KGPT-CD	D24	DC	CP	WICHITA, KS	BDCCDTL20111228ACD	292.5
KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	375.8
KMCI-TV	D25	DT	CP	LAWRENCE, KS	BLANK0000026812	11.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
33940.7 2,546,851	33569.1 2,545,626	33416.0 2,542,858	33404.9 2,542,586	0.03 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
K46FG-D D25 LD LIC	11.1 272	11.1 272	11.1 272
KGPT-CD D24 DC CP	1.0 10	1.0 10	1.0 10
KMOV D24 DT LIC	21.9 59	19.9 54	19.9 54
KMCI-TV D25 DT CP	132.2 2,704	130.2 2,699	130.2 2,699

Interference to BLCDT20110405ABD LIC, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCTV	D24	DT	LIC	KANSAS CITY, MO	BLCDT20110405ABD	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	157.8 km
	KKAF-CD	D24	DC	CP	SILOAM SPRINGS, AR	BLANK0000025891	324.5
	KGPT-CD	D24	DC	LIC	WICHITA, KS	BLDTA20130404ABI	292.5
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	375.8
	KMCI-TV	D25	DT	BL	LAWRENCE, KS	DTVBL42636	11.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
33940.7 2,546,851	33569.1 2,545,626	33422.0 2,544,168	33410.9 2,543,896	0.03 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
K46FG-D D25 LD LIC	11.1 272	11.1 272	11.1 272
KGPT-CD D24 DC LIC	1.0 10	1.0 10	1.0 10
KMOV D24 DT LIC	21.9 59	19.9 54	19.9 54
KMCI-TV D25 DT BL	126.1 1,394	124.1 1,389	124.1 1,389

Interference to BLCDT20110405ABD LIC, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCTV	D24	DT	LIC	KANSAS CITY, MO	BLCDT20110405ABD	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	157.8 km
	KKAF-CD	D24	DC	CP	SILOAM SPRINGS, AR	BLANK0000025891	324.5
	KGPT-CD	D24	DC	CP	WICHITA, KS	BDCCDTL20111228ACD	292.5
	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	375.8
	KMCI-TV	D25	DT	BL	LAWRENCE, KS	DTVBL42636	11.1
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	33940.7	2,546,851	33569.1	2,545,626	33422.0	2,544,168	33410.9 2,543,896 0.03 0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
K46FG-D D25 LD LIC				11.1	272	11.1	272
KGPT-CD D24 DC CP				1.0	10	1.0	10
KMOV D24 DT LIC				21.9	59	19.9	54
KMCI-TV D25 DT BL				126.1	1,394	124.1	1,389

Interference to BLANK0000004587 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCKS-LD	D25	LD	LIC	KANSAS CITY, KS	BLANK0000004587	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	139.7 km
	KCTV	D24	DT	LIC	KANSAS CITY, MO	BLCDT20110405ABD	31.4
	KMCI-TV	D25	DT	CP	LAWRENCE, KS	BLANK0000026812	37.7
	KYCW-LD	D25	LD	LIC	BRANSON, MO	BLANK0000022105	273.4
	KQMK-LD	D25	LD	LIC	LINCOLN, NE	BLANK0000010849	267.3
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	5981.4	1,467,905	5869.1	1,450,982	1426.6	289,741	1426.6 289,741 0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	

K46FG-D D25 LD LIC	1.0	0			0.0	0
KCTV D24 DT LIC	932.2	435,554	43.7	5,772	43.7	5,772
KMCI-TV D25 DT CP	4398.7	1,155,469	3510.3	725,687	3510.3	725,687

Interference to BLANK0000026812 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMCI-TV	D25	DT	CP	LAWRENCE, KS	BLANK0000026812	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	168.6 km
	KCTV	D24	DT	LIC	KANSAS CITY, MO	BLC DT20110405ABD	11.1
	KXNW	D25	DT	CP	EUREKA SPRINGS, AR	BLANK0000025683	289.8
	KFDF-CD	D25	DC	CP	FORT SMITH, AR	BLANK0000025217	392.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	29211.3	2,365,805	29039.1	2,362,960	28772.7	2,358,074	28713.7 2,353,289 0.20 0.20
Undesired				Total IX	Unique IX, before	Unique IX, after	
K46FG-D D25 LD LIC		72.9		4,890		58.9	4,785
KCTV D24 DT LIC		266.4		4,886	266.4	4,886	252.4 4,781

Interference to BLANK0000010849 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQMK-LD	D25	LD	LIC	LINCOLN, NE	BLANK0000010849	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	135.6 km
	KIJK-LD	D24	LD	LIC	LINCOLN, NE	BLANK0000010829	28.4
	KFDY-LD	D26	LD	LIC	LINCOLN, NE	BLDTL20110908ACA	26.3
	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000025697	64.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	1856.0	245,275	1840.9	245,256	1455.9	163,847	1455.9 163,847 0.00 0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
K46FG-D D25 LD LIC	2.0	9			0.0	0
KIJK-LD D24 LD LIC	11.9	12	11.9	12	11.9	12
KFDY-LD D26 LD LIC	272.1	80,172	143.9	71,864	143.9	71,864
KPTM D26 DT CP	229.2	9,533	101.0	1,225	101.0	1,225

Interference to BLANK0000010849 LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQMK-LD	D25	LD	LIC	LINCOLN, NE	BLANK0000010849	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	135.6 km
	KIJK-LD	D24	LD	APP	LINCOLN, NE	BLANK0000014082	11.1
	KFDY-LD	D26	LD	LIC	LINCOLN, NE	BLDTL20110908ACA	26.3
	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000025697	64.7

Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1856.0	245,275	1840.9	245,256	1466.9	163,848	1466.9	163,848
							0.00 0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
K46FG-D D25 LD LIC	2.0	9			0.0	0
KIJK-LD D24 LD APP	1.0	11	1.0	11	1.0	11
KFDY-LD D26 LD LIC	272.1	80,172	143.9	71,864	143.9	71,864
KPTM D26 DT CP	229.2	9,533	101.0	1,225	101.0	1,225

Interference to BLANK0000010849 LIC, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQMK-LD	D25	LD	LIC	LINCOLN, NE	BLANK0000010849	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	135.6 km
	KIJK-LD	D24	LD	CP	LINCOLN, NE	BLANK0000010988	11.1
	KFDY-LD	D26	LD	LIC	LINCOLN, NE	BLDTL20110908ACA	26.3
	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000025697	64.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1856.0 245,275	1840.9 245,256	1466.9 163,848	1466.9 163,848	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K46FG-D D25 LD LIC 2.0	9	0.0	0
KIJK-LD D24 LD CP 1.0	11	1.0	11
KFDY-LD D26 LD LIC 272.1	80,172	143.9	71,864
KPTM D26 DT CP 229.2	9,533	101.0	1,225

Interference to BLANK0000014083 APP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQMK-LD	D25	LD	APP	LINCOLN, NE	BLANK0000014083	

Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	106.7 km
	KIJK-LD	D24	LD	LIC	LINCOLN, NE	BLANK0000010829	76.6
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	261.1
	KFDY-LD	D26	LD	LIC	LINCOLN, NE	BLDTL20110908ACA	27.8
	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000025697	17.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1084.5 21,633	1055.3 20,255	562.1 10,683	562.1 10,683	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K46FG-D D25 LD LIC 3.0	11	0.0	0
KTIN D25 DT LIC 3.0	11	0.0	0
KFDY-LD D26 LD LIC 51.7	896	1.0	22
KPTM D26 DT CP 492.2	9,550	438.5	8,665

Interference to BLANK0000010936 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQMK-LD	D25	LD	CP	LINCOLN, NE	BLANK0000010936	

Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	106.7 km
	KIJK-LD	D24	LD	LIC	LINCOLN, NE	BLANK0000010829	76.6
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	261.1
	KFDY-LD	D26	LD	LIC	LINCOLN, NE	BLDTL20110908ACA	27.8
	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000025697	17.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1084.5	21,633	1055.3	20,255	562.1	10,683	562.1	10,683	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K46FG-D D25 LD LIC	3.0	11			0.0	0	
KTIN D25 DT LIC	3.0	11	0.0	0	0.0	0	
KFDY-LD D26 LD LIC	51.7	896	1.0	22	1.0	22	
KPTM D26 DT CP	492.2	9,550	438.5	8,665	436.5	8,661	

Interference to BLDTL20120426ACC LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNPN-LD	D26	LD	LIC	SAINT JOSEPH, MO	BLDTL20120426ACC	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	87.5 km
	KCKS-LD	D25	LD	LIC	KANSAS CITY, KS	BLANK0000004587	73.7
	KMCI-TV	D25	DT	CP	LAWRENCE, KS	BLANK0000026812	89.7
	WROB-LD	D26	LD	LIC	TOPEKA, KS	BLDTL20140908AFA	119.7
	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000025697	187.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5199.3	144,256	5105.7	143,813	4976.8	141,391	4976.8	141,391	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K46FG-D D25 LD LIC	3.0	2			0.0	0	
KCKS-LD D25 LD LIC	9.9	59	7.9	48	7.9	48	
KMCI-TV D25 DT CP	1.0	11	0.0	0	0.0	0	
WROB-LD D26 LD LIC	9.0	19	2.0	19	2.0	19	

KPTM D26 DT CP	118.9	2,355	110.9	2,344	107.9	2,342
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Interference to BLANK0000025697 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000025697	
Undesireds:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	105.8 km
	KLNE-TV	D26	DT	LIC	LEXINGTON, NE	BLEDT20070625ABT	282.8
	KDLV-TV	D26	DT	LIC	MITCHELL, SD	BLCDT20081016ADD	348.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36793.2 1,389,204	36495.0 1,386,668	36379.9 1,386,358	35509.4 1,382,804	2.39 0.26

Undesired	Total IX	Unique IX, before	Unique IX, after
K46FG-D D25 LD LIC 870.5	3,554	870.5	3,554
KLNE-TV D26 DT LIC 78.1	248	56.0 197	56.0 197
KDLV-TV D26 DT LIC 59.2	113	37.0 62	37.0 62

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K46FG-D	D25	LD	LIC	FALLS CITY, NE	BLDTT20081114ACM	
Undesireds:	KCKS-LD	D25	LD	LIC	KANSAS CITY, KS	BLANK0000004587	139.7 km
	KMCI-TV	D25	DT	CP	LAWRENCE, KS	BLANK0000026812	168.6
	KQMK-LD	D25	LD	LIC	LINCOLN, NE	BLANK0000010849	135.6
	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000025697	105.8

Service area	Terrain-limited	IX-free	Percent IX
6561.0 37,748	6498.9 37,467	6271.9 36,759	3.49 1.89

Undesired	Total IX	Unique IX	Prcnt Unique IX
KCKS-LD D25 LD LIC 3.0	3	0.0 0	0.00 0.00

KMCI-TV D25 DT CP	226.9	708	219.9	669	3.38	1.79
KPTM D26 DT CP	4.0	36	0.0	0	0.00	0.00