



ENGINEERING STATEMENT

In support of a

Digital Displacement Application for Construction Permit

To move to Digital Channel 29

KFXL-LD Lufkin, TX

15 kW ERP 307.8 m RCAMSL

PURPOSE

MARSAND, INC. has been retained by Warwick Communications, Inc. (the "Licensee") Licensee of KFXL-LP analog Channel 30 of Lufkin, TX (the "Station"), to prepare this engineering statement in support of this Digital Displacement Application for Construction Permit (CP) to move to digital service on Channel 29.

DISCUSSION

The Licensee proposes to use a new, directional, side mount antenna. The Licensee also proposes to install a type accepted, digital transmitter and add a new simple mask, RF filter for digital service. The proposed facility is located at the existing analog site. An interference study was run using the minimum power required to replicate the analog coverage on digital Ch 30. The minimum interference criteria could not be met, therefore a suitable channel was found on Ch 29 that did meet the necessary criteria (see discussion below).

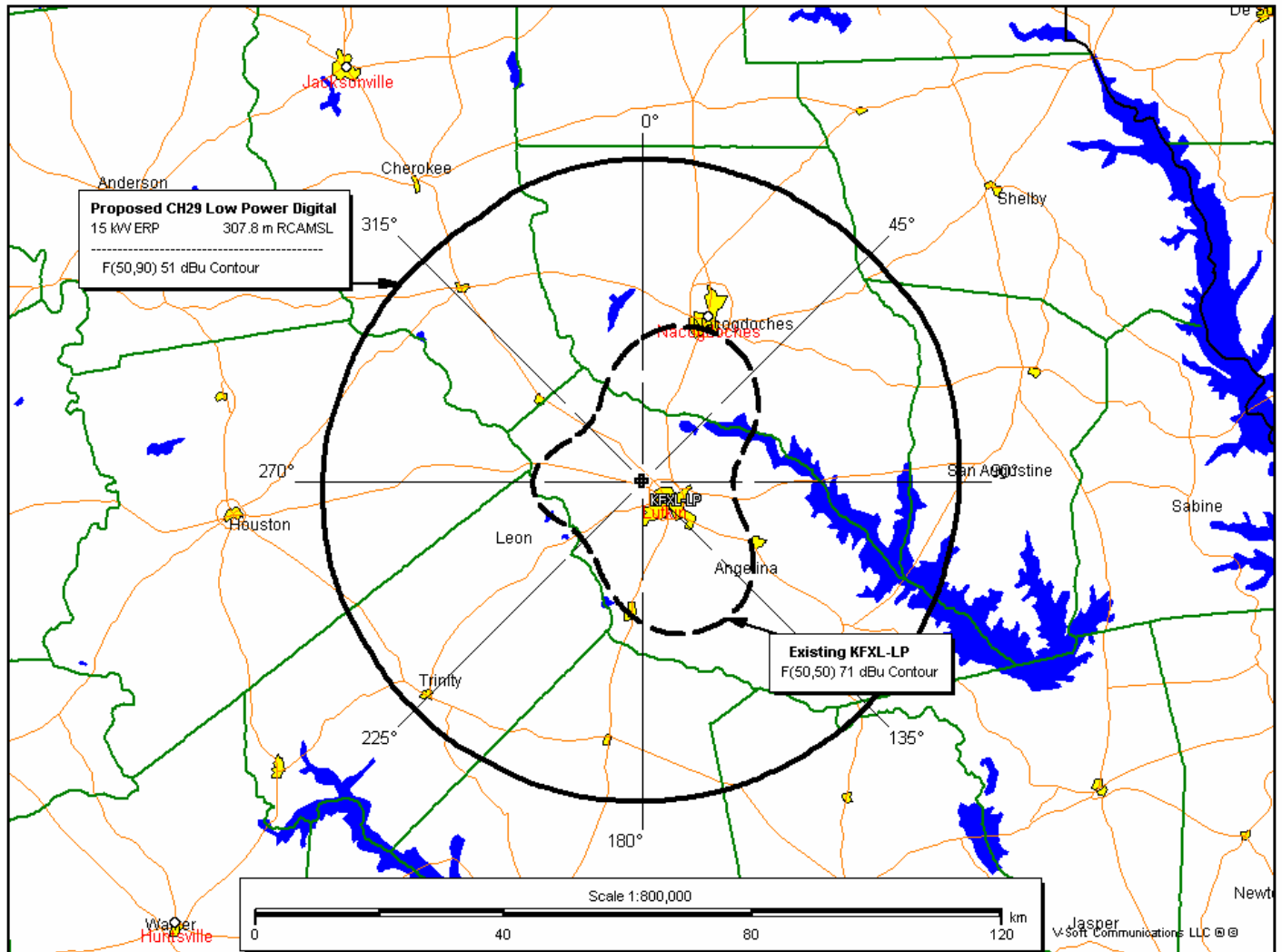
An interference study using the TV Process (digital low power version) by Meintel, Sgrignoli & Wallace (a software program which is familiar to the Commission that is written in Fortran and run on a Sun Microsystems workstation and employs the methods outlined in the OET 69 Bulletin), confirms that the proposed facility would not exceed 0.5% new interference to any other full power or class A stations and would not exceed 2.0% new interference to other low power stations (using the existing, post transition database). The study results are listed in the Appendix. A summary of the interference study is included below in **Table 1**.

Stations Potentially Affected by Proposal

Channel	Call Letters	City/State	Distance (km)	Status	Application Reference		Interference	
					Number		Existing	New
14	KIBN-LP	LUFKIN TX	0	APP	BSTA	-20070824AGV	Proposal causes no Interference	
14	KIBN-LP	LUFKIN TX	0	APP	BSTA	-20080626ABQ	Proposal causes no Interference	
14	KIBN-LP	LUFKIN TX	0	LIC	BLTTL	-20090407AHW	Proposal causes no Interference	
28	KTBS-TV	SHREVEPORT LA	166.4	LIC	BLCDDT	-20020911ABZ	1.89%	0.02%
28	KYLE-TV	BRYAN TX	175.1	CP	BPCDDT	-20090507ADF	Proposal causes no Interference	
28	KYLE-DR	BRYAN TX	175.1	APP	BPRM	-20090203AEO	Proposal causes no Interference	
29	K29DC	EL DORADO AR	287.2	LIC	BLTTL	-20001213ACL	Proposal causes no Interference	
29	KSJA-CA	NASHVILLE AR	302.2	APP	BSTA	-20070109AAP	Proposal causes no Interference	
29	KSJA-CA	NASHVILLE AR	302.2	CP	BDISTTA	-20080805ABF	Proposal causes no Interference	
29	KSJA-CA	NASHVILLE AR	302.2	APP	BDISTTA	-20070108ABP	Proposal causes no Interference	
29	K57GK	ALEXANDRIA LA	224.4	CP	BDISTTL	-20071207ACC	Proposal causes no Interference	
29	K29HW-D	AUSTIN TX	308	CP	BDCCDTL	-20061027AAH	Proposal causes no Interference	
29	KQHO-LP	BEAUMONT TX	156.2	APP	BDISDTL	-20090410AFN	Proposal causes no Interference	
29	KJIB-LP	CLEAR LAKE TX	211.8	CP	BDISDTL	-20080514AGQ	Proposal causes no Interference	
29	KJIB-LP	CLEAR LAKE CITY TX	211.8	APP	BSTA	-20060605AAC	Proposal causes no Interference	
29	KNAV-LP	DE SOTO TX	248.3	APP	BDISDTL	-20090619ACW	Proposal causes no Interference	
29	KHFW-LP	DENISON TX	309.4	APP	BDISDTL	-20090305AAX	Proposal causes no Interference	
29	K47IJ	SAN ANTONIO TX	399	APP	BDISDTL	-20090604ACM	Beyond evaluation distance	
30	KVHP	LAKE CHARLES LA	164.8	CP	BPCDDT	-19990714LD	Proposal causes no Interference	
30	KHTX-LP	HUNTSVILLE TX	99.9	LIC	BLTTL	-19980813JD	Proposal causes no Interference	
30	KFXL-LP	LUFKIN TX	0	LIC	BLTT	-19970703JA	Proposal replaces this service	
31	K31HO	SHREVEPORT LA	164.5	LIC	BLTTL	-20050321AOQ	Beyond evaluation distance	
36	KLGV-LP	LONGVIEW TX	120.5	APP	BSTA	-20060626AAZ	Beyond evaluation distance	
36	KLGV-LP	LONGVIEW TX	120.5	LIC	BLTTL	-20070718AEU	Beyond evaluation distance	

Table 1

The calculated F(50,90) 51 dBu service grade contour would encompass the principal community, Tyler, TX, entirely as shown in **Figure 1**.

**Figure 1**

The proposal is clear of any FCC monitoring stations, quiet zones, border zones and Table Mountain. It is also further than 3.2 km from the nearest AM station.

RF Radiation Exposure Statement

The requirements of Section 73.1307(b) of the FCC Rules regarding human exposure to radio frequency (RF) energy are met under this instant application for the post-transition digital television facility proposed herein.

The proposed facility utilizes the an existing, multi-use tower structure (ASR 1047148). The site is restricted access. The station agrees to maintain full compliance with the safety precautions to workers on the tower (controlled) and the general public (uncontrolled) by reducing or removing radiated power during the time of construction or maintenance on or near the antenna. The station 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.

Table 2 shows the calculations of RF level 2m above ground level for the General Public / Uncontrolled (GP/U) would not exceed 5% of the Maximum Permissible Exposure (MPE) limit. The calculations are shown in the Appendix. The proposed facility is therefore a negligible contributor to the RF environment at all ground level locations and is excluded from the routine environmental evaluation pursuant to Section 1.1307(b) of the FCC Rules.

Call Letters	Channel / Frequency	Distance from RCAGL to 2 m AGL	Worst Case Downward Radiation (Relative Field)	Calculated Power Density (uW/cm ²)	GP/U MPE (uW/cm ²)	Percentage of GP/U MPE
KFXL-LD	CH29 560-566	196.1	0.20	0.52	400	0.14%

Table 2

CONCLUSION

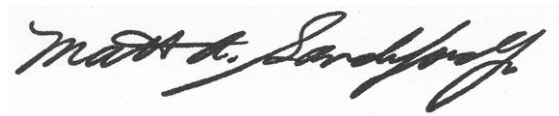
It is respectfully requested that the Commission grant this request for CP for the proposed transmission facility as indicated in the Tech Box of the accompanying Application Form 346.

DECLARATION

Matthew A. Sanderford, Jr., P.E., declares and states that he is a graduate Electrical Engineer with a Bachelor of Science Degree in Electrical Engineering from the University of Texas at El Paso, a Licensed Professional Engineer in the State of Texas, and his qualifications are known to the Federal Communications Commission, and that he is President of MARSAND, INC., a Registered Professional Engineering firm in the State of Texas, and that firm has been retained by the Licensee, to perform the engineering support as contained in this report.

All facts contained herein are true of his own knowledge except where stated to be on information or belief provided by the Licensee, and as to those facts, he believes them to be true.

I declare under penalty of perjury that the foregoing is true and correct.



Matthew A. Sanderford, Jr., P.E.

President - MARSAND, INC.

Executed this 29th day of June, 2009

State of Texas

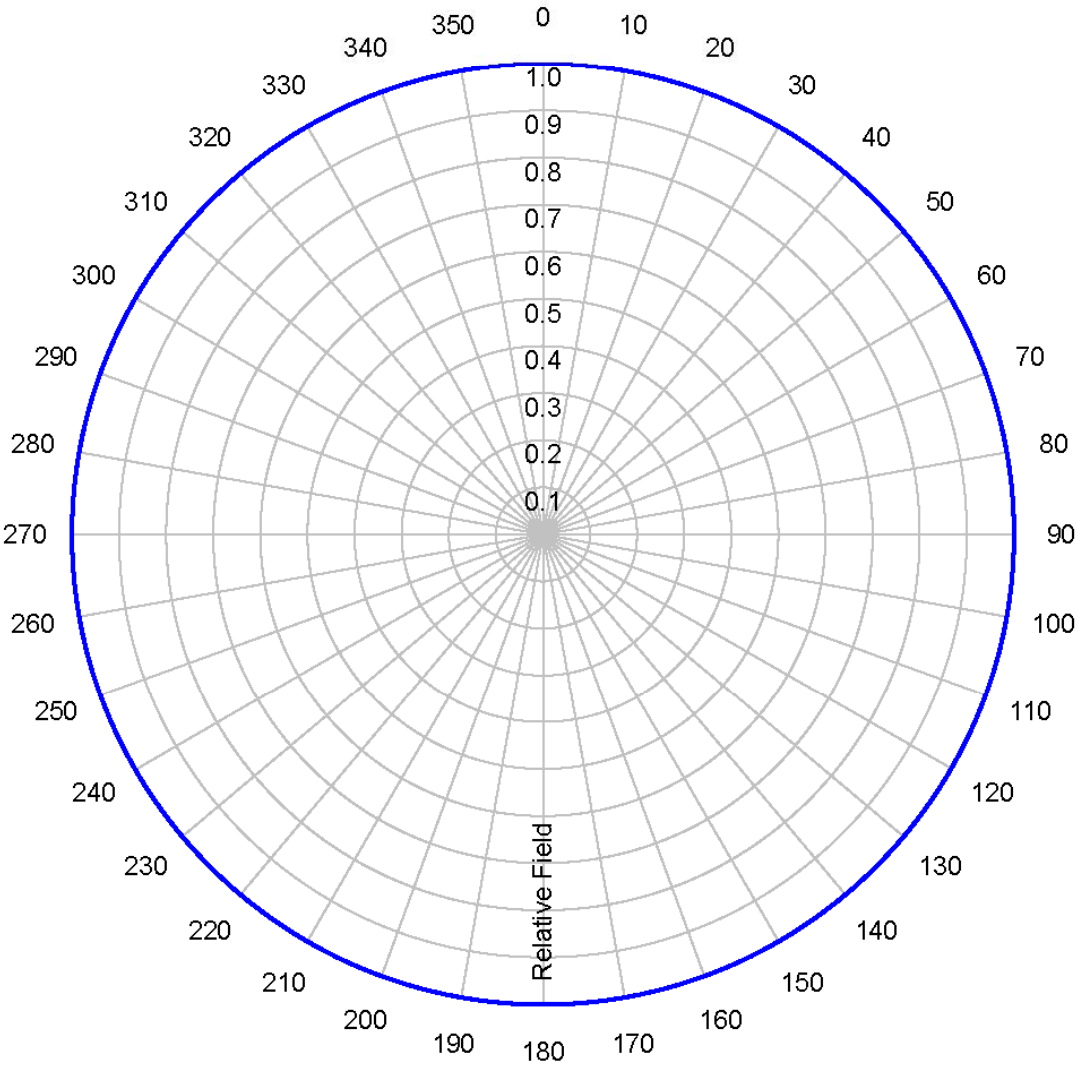
Appendix



AZIMUTH PATTERN

Type: ALP-0

	Numeric	dBd
Directivity:	<u>1.00</u>	<u>0.00</u>
Peak(s) at:	<u></u>	
Polarization:	<u>Horizontal</u>	
Channel:	<u>29</u>	
Location:	<u></u>	
Note:	<u></u>	



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**AZIMUTH TABULATED DATA**Type: ALP-OPolarization: Horizontal

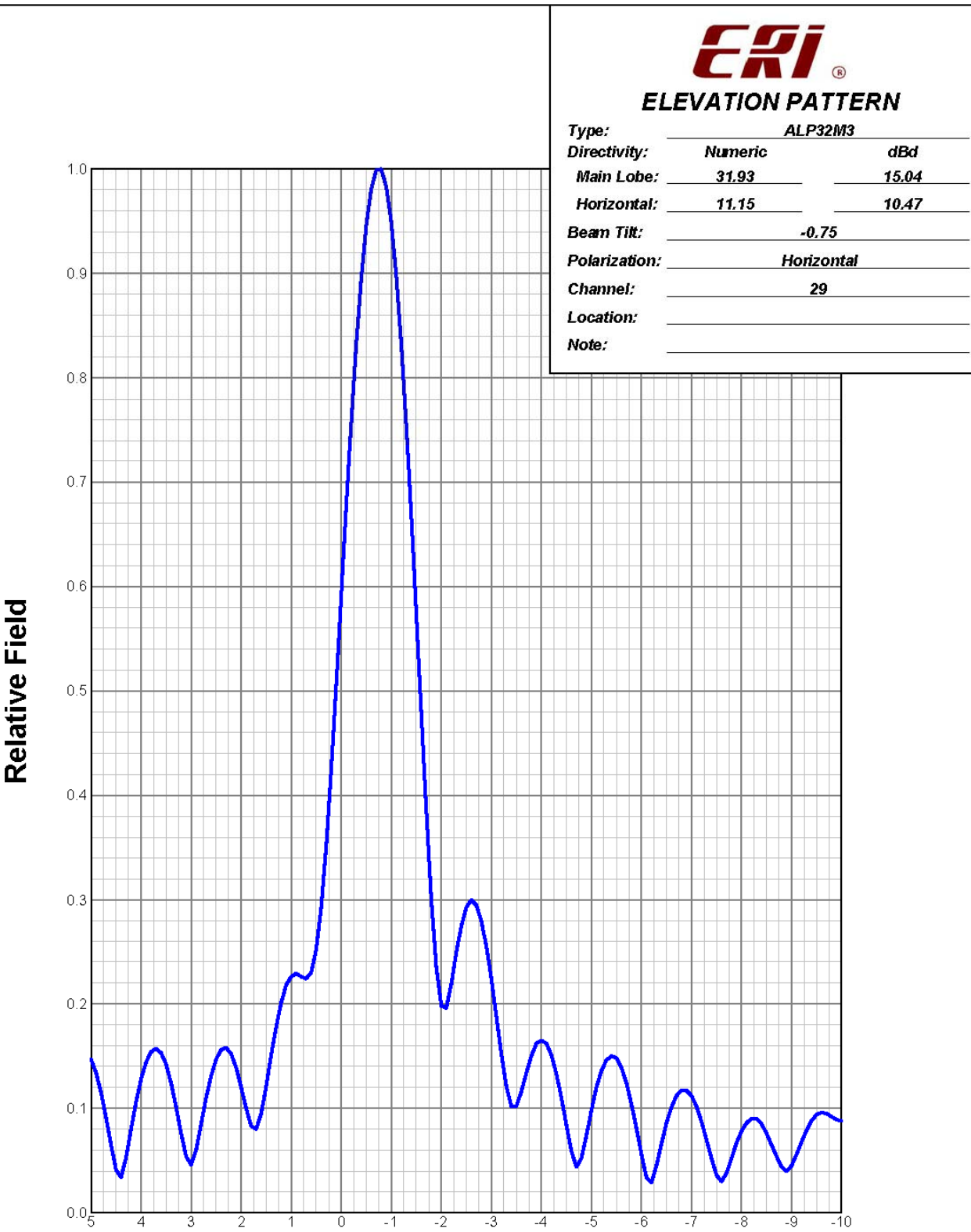
Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
0	1.000	0.00	92	1.000	0.00	184	1.000	0.00	276	1.000	0.00
2	1.000	0.00	94	1.000	0.00	186	1.000	0.00	278	1.000	0.00
4	1.000	0.00	96	1.000	0.00	188	1.000	0.00	280	1.000	0.00
6	1.000	0.00	98	1.000	0.00	190	1.000	0.00	282	1.000	0.00
8	1.000	0.00	100	1.000	0.00	192	1.000	0.00	284	1.000	0.00
10	1.000	0.00	102	1.000	0.00	194	1.000	0.00	286	1.000	0.00
12	1.000	0.00	104	1.000	0.00	196	1.000	0.00	288	1.000	0.00
14	1.000	0.00	106	1.000	0.00	198	1.000	0.00	290	1.000	0.00
16	1.000	0.00	108	1.000	0.00	200	1.000	0.00	292	1.000	0.00
18	1.000	0.00	110	1.000	0.00	202	1.000	0.00	294	1.000	0.00
20	1.000	0.00	112	1.000	0.00	204	1.000	0.00	296	1.000	0.00
22	1.000	0.00	114	1.000	0.00	206	1.000	0.00	298	1.000	0.00
24	1.000	0.00	116	1.000	0.00	208	1.000	0.00	300	1.000	0.00
26	1.000	0.00	118	1.000	0.00	210	1.000	0.00	302	1.000	0.00
28	1.000	0.00	120	1.000	0.00	212	1.000	0.00	304	1.000	0.00
30	1.000	0.00	122	1.000	0.00	214	1.000	0.00	306	1.000	0.00
32	1.000	0.00	124	1.000	0.00	216	1.000	0.00	308	1.000	0.00
34	1.000	0.00	126	1.000	0.00	218	1.000	0.00	310	1.000	0.00
36	1.000	0.00	128	1.000	0.00	220	1.000	0.00	312	1.000	0.00
38	1.000	0.00	130	1.000	0.00	222	1.000	0.00	314	1.000	0.00
40	1.000	0.00	132	1.000	0.00	224	1.000	0.00	316	1.000	0.00
42	1.000	0.00	134	1.000	0.00	226	1.000	0.00	318	1.000	0.00
44	1.000	0.00	136	1.000	0.00	228	1.000	0.00	320	1.000	0.00
46	1.000	0.00	138	1.000	0.00	230	1.000	0.00	322	1.000	0.00
48	1.000	0.00	140	1.000	0.00	232	1.000	0.00	324	1.000	0.00
50	1.000	0.00	142	1.000	0.00	234	1.000	0.00	326	1.000	0.00
52	1.000	0.00	144	1.000	0.00	236	1.000	0.00	328	1.000	0.00
54	1.000	0.00	146	1.000	0.00	238	1.000	0.00	330	1.000	0.00
56	1.000	0.00	148	1.000	0.00	240	1.000	0.00	332	1.000	0.00
58	1.000	0.00	150	1.000	0.00	242	1.000	0.00	334	1.000	0.00
60	1.000	0.00	152	1.000	0.00	244	1.000	0.00	336	1.000	0.00
62	1.000	0.00	154	1.000	0.00	246	1.000	0.00	338	1.000	0.00
64	1.000	0.00	156	1.000	0.00	248	1.000	0.00	340	1.000	0.00
66	1.000	0.00	158	1.000	0.00	250	1.000	0.00	342	1.000	0.00
68	1.000	0.00	160	1.000	0.00	252	1.000	0.00	344	1.000	0.00
70	1.000	0.00	162	1.000	0.00	254	1.000	0.00	346	1.000	0.00
72	1.000	0.00	164	1.000	0.00	256	1.000	0.00	348	1.000	0.00
74	1.000	0.00	166	1.000	0.00	258	1.000	0.00	350	1.000	0.00
76	1.000	0.00	168	1.000	0.00	260	1.000	0.00	352	1.000	0.00
78	1.000	0.00	170	1.000	0.00	262	1.000	0.00	354	1.000	0.00
80	1.000	0.00	172	1.000	0.00	264	1.000	0.00	356	1.000	0.00
82	1.000	0.00	174	1.000	0.00	266	1.000	0.00	358	1.000	0.00
84	1.000	0.00	176	1.000	0.00	268	1.000	0.00	360	1.000	0.00
86	1.000	0.00	178	1.000	0.00	270	1.000	0.00			
88	1.000	0.00	180	1.000	0.00	272	1.000	0.00			
90	1.000	0.00	182	1.000	0.00	274	1.000	0.00			



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**ELEVATION TABULATED DATA**Type: ALP32M3Polarization: Horizontal

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
5.00	0.147	-16.65	6.50	0.086	-21.31	42.00	0.025	-32.04	88.00	0.004	-47.96
4.75	0.103	-19.74	6.75	0.115	-18.82	43.00	0.014	-37.08	89.00	0.002	-53.98
4.50	0.041	-27.74	7.00	0.112	-19.02	44.00	0.019	-34.42	90.00	0.000	-40.00
4.25	0.067	-23.54	7.25	0.079	-22.10	45.00	0.009	-40.92			
4.00	0.128	-17.86	7.50	0.036	-28.87	46.00	0.016	-35.92			
3.75	0.156	-16.17	7.75	0.045	-26.94	47.00	0.013	-37.72			
3.50	0.142	-16.95	8.00	0.078	-22.16	48.00	0.014	-37.08			
3.25	0.089	-21.06	8.25	0.090	-20.92	49.00	0.012	-38.42			
3.00	0.046	-26.74	8.50	0.076	-22.38	50.00	0.021	-33.56			
2.75	0.098	-20.22	8.75	0.049	-26.20	51.00	0.016	-35.92			
2.50	0.147	-16.65	9.00	0.045	-26.94	52.00	0.029	-30.75			
2.25	0.155	-16.19	9.25	0.074	-22.67	53.00	0.014	-37.08			
2.00	0.120	-18.42	9.50	0.094	-20.54	54.00	0.028	-31.06			
1.75	0.082	-21.78	9.75	0.094	-20.58	55.00	0.011	-39.17			
1.50	0.121	-18.34	10.00	0.088	-21.11	56.00	0.033	-29.63			
1.25	0.190	-14.45	11.00	0.254	-11.90	57.00	0.032	-29.90			
1.00	0.226	-12.92	12.00	0.148	-16.59	58.00	0.013	-37.72			
0.75	0.225	-12.96	13.00	0.030	-30.46	59.00	0.042	-27.54			
0.50	0.252	-11.97	14.00	0.005	-46.02	60.00	0.026	-31.70			
0.25	0.388	-8.22	15.00	0.006	-44.44	61.00	0.025	-32.04			
0.00	0.591	-4.57	16.00	0.017	-35.39	62.00	0.044	-27.13			
-0.25	0.795	-1.99	17.00	0.006	-44.44	63.00	0.025	-32.04			
-0.50	0.946	-0.48	18.00	0.028	-31.06	64.00	0.042	-27.54			
-0.75	1.000	0.00	19.00	0.034	-29.37	65.00	0.063	-24.01			
-1.00	0.949	-0.45	20.00	0.025	-32.04	66.00	0.066	-23.61			
-1.25	0.794	-2.01	21.00	0.056	-25.04	67.00	0.125	-18.06			
-1.50	0.574	-4.82	22.00	0.203	-13.85	68.00	0.208	-13.64			
-1.75	0.343	-9.29	23.00	0.190	-14.42	69.00	0.255	-11.87			
-2.00	0.198	-14.07	24.00	0.045	-26.94	70.00	0.246	-12.18			
-2.25	0.234	-12.62	25.00	0.040	-27.96	71.00	0.190	-14.42			
-2.50	0.293	-10.66	26.00	0.029	-30.75	72.00	0.115	-18.79			
-2.75	0.287	-10.83	27.00	0.009	-40.92	73.00	0.054	-25.35			
-3.00	0.224	-13.00	28.00	0.012	-38.42	74.00	0.047	-26.56			
-3.25	0.137	-17.30	29.00	0.006	-44.44	75.00	0.060	-24.44			
-3.50	0.102	-19.83	30.00	0.000	-40.00	76.00	0.059	-24.58			
-3.75	0.142	-16.95	31.00	0.006	-44.44	77.00	0.046	-26.74			
-4.00	0.165	-15.65	32.00	0.012	-38.42	78.00	0.030	-30.46			
-4.25	0.142	-16.95	33.00	0.026	-31.70	79.00	0.018	-34.89			
-4.50	0.084	-21.51	34.00	0.111	-19.09	80.00	0.016	-35.92			
-4.75	0.048	-26.38	35.00	0.138	-17.20	81.00	0.018	-34.89			
-5.00	0.098	-20.18	36.00	0.038	-28.40	82.00	0.019	-34.42			
-5.25	0.141	-17.02	37.00	0.057	-24.88	83.00	0.018	-34.89			
-5.50	0.148	-16.59	38.00	0.022	-33.15	84.00	0.015	-36.48			
-5.75	0.114	-18.86	39.00	0.029	-30.75	85.00	0.012	-38.42			
-6.00	0.056	-25.04	40.00	0.028	-31.06	86.00	0.009	-40.92			
-6.25	0.037	-28.64	41.00	0.021	-33.56	87.00	0.006	-44.44			



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Radio Frequency Radiation Human Exposure Calculations

Call letters: **KFXL-LD** Date: **6/29/2009**
City of License: **Lufkin, TX**
Channel: **29A**

Reference:

FCC Rules Section 73.1307(b) & 73.1310
OET Bulletin No. 65 Edition 97-01, August, 1997
OET Bulletin No. 56

DTV Average Power **15,000 W ERP**

Typical relative field factor in the downward direction: **0.20**
(conservative estimate)

Antenna Radiation Center Above Ground Level (RCAGL): **198.1 m**

Occupational/Controlled (O/C) Exposure

Highest Calculated Power Density: **0.51 $\mu\text{W}/\text{cm}^2$**

Maximum Permissible Exposure (MPE) for this Channel -
Frequency (middle of the band): **563 MHz**
MPE O/C Limit (6 minutes average): **1.9 mW/cm^2**
Percentage of MPE O/C Limit: **0.03 %**

General Population/Uncontrolled (GP/U) Exposure

Typical height of a person's head standing at ground level: **2 m**
Distance from head height to antenna radiation center: **196.1 m**
Highest Calculated Power Density: **0.52 $\mu\text{W}/\text{cm}^2$**

Maximum Permissible Exposure (MPE) for this Channel -
Frequency (middle of the band): **563 MHz**
MPE GP/U Limit (30 minutes average): **0.4 mW/cm^2**
Percentage of MPE GP/U Limit: **0.14 %**

DTV EFFECTIVE RADIATED POWER CALCULATIONS

Call letters: **KFXL-LD** Date: **6/29/2009**
 Location: **Lufkin, TX**
 Channel: **29A**
 Frequency: **563 MHz Mid-Band**
 Antenna: **ERI ALP32M3-HSO-29**

Transmitter Power Output (TPO):	1.070 kW avg.	0.29 dBk
Filter Type:	Loss:	dB
Transmission Line:	1-5/8" Helix	
Loss per 100 ft.:	-0.509 dB	
Line Length:	700 ft.	
Total Line Loss:	-3.563 dB	-3.56 dB

Antenna Input Power:	0.47 kW	-3.27 dBk
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Efficiency: **44.025 %**

Elevation Antenna Gain -

Horizontal -

Vert. Polarization -	Gain	dB
Hor. Polarization -	11.14 Gain	10.47 dB

Maximum -

Vert. Polarization -	Gain	dB
Hor. Polarization -	31.92 Gain	15.04 dB

Azimuthal Antenna Gain -

Vert. Polarization -	Gain	dB
Hor. Polarization -	1.00 Gain	0.00 dB

Horizontal ERP -

<i>Vertical Polarization:</i>	<i>kW</i>	<i>dBk</i>
<i>Horizontal Polarization:</i>	<i>5.25 kW</i>	<i>7.20 dBk</i>

Maximum ERP -

Vertical Polarization:	kW	dBk
Horizontal Polarization:	15.03 kW	11.77 dBk

ASR Registration Search

Registration 1053387

 [Map Registration](#)

Registration Detail

Reg Number	1053387	Status	Constructed
File Number	A0062809	Constructed	03/01/1992
FAA Study	91-ASW-1589-OE	EMI	No
FAA Issue Date	02/06/1992	NEPA	No

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Communications Purposes

Location (in NAD83 Coordinates)

Lat/Long 31-21-56.0 N 094-46-00.0 W HWY 103 W 1.6093 KM CR 37 N 609 METERS
City, State LUFKIN , TX
Center of
AM Array

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
109.7	204.2
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
313.9	198.1

Painting and Lighting Specifications

FAA Chapters 3, 4, 5, 13
Paint and Light in Accordance with FAA Circular Number 70/7460-1H
.

Owner & Contact Information

FRN Licensee ID

Owner

BERGMAN, JAMES G
Attention To: JAMES G BERGMAN
709 N TYLER
LIVINGSTON , TX 77351-2961
P: (409)327-4220
E:

Contact

P:
E:

Last Action Status

Status	Constructed	Received	06/30/1998
Purpose	New	Entered	07/02/1998
Mode	Mail In (Manual)		

Related Applications

ASR Registration 1053387

Page 2 of 2

06/30/1998 A0062809 - New (NE)

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Comments

Comments

None

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Automated Letters

None

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CLOSE WINDOW

Engineering (Digital)

Page 1 of 2

SECTION III - ENGINEERING DATA (Digital)												
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.	Channel Number: 29											
2.	Translator Input Channel No.:											
3.	Primary station proposed to be rebroadcast:											
	Facility Identifier	Call Sign	City	State	Channel							
4.	Antenna Location Coordinates: (NAD 27)											
	Latitude:											
	Degrees	31	Minutes	21	Seconds	55	<input checked="" type="radio"/> North <input type="radio"/> South					
	Longitude:											
	Degrees	94	Minutes	45	Seconds	59	<input checked="" type="radio"/> West <input type="radio"/> East					
5.	Antenna Structure Registration Number: 1053387											
	<input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Exhibit 10 <input type="checkbox"/> Notification filed with FAA											
6.	Antenna Location Site Elevation Above Mean Sea Level: 109.7 meters											
7.	Overall Tower Height Above Ground Level: 204.2 meters											
8.	Height of Radiation Center Above Ground Level: 198.1 meters											
9.	Maximum Effective Radiated Power (ERP): 15 kW											
10.	Transmitter Output Power: 1.07 kW											
11.	a. Transmitting Antenna:											
	Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under CDBS Public Access (http://fjallfoss.fcc.gov/prod/cdbs/pubaco/prod/cdbs_pa.htm). Make sure that the Standard Pattern is marked Yes and that the relative field values shown match your values. Enter the Manufacturer (Make) and Model exactly as displayed in the Antenna Search.											
	<input checked="" type="radio"/> Nondirectional <input type="radio"/> Directional "Off-the-shelf" <input type="radio"/> Directional composite											
	Manufacturer: ERI Model: ALP32M3-HSO-29											
	b. Electrical Beam Tilt: 0.75 degrees <input type="checkbox"/> Not Applicable											
	c. Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> N/A (Nondirectional or Directional "Off-the-shelf")											
	Rotation (Degrees): <input type="checkbox"/> No Rotation											
	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
	0		10		20		30		40		50	
	60		70		80		90		100		110	
	120		130		140		150		160		170	
	180		190		200		210		220		230	
	240		250		260		270		280		290	
	300		310		320		330		340		350	
	Additional Azimuths											
NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.												
12.	Out-of-channel Emission Mask: <input checked="" type="radio"/> Simple <input type="radio"/> Stringent											
CERTIFICATION												

Engineering (Digital)

Page 2 of 2

13.	Interference : 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), 74.794(b) and 73.1030.	<input checked="" type="radio"/> Yes <input type="radio"/> No
		See Explanation in Exhibit 11
14.	Environmental Protection Act. The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine RF compliance, an Exhibit is required . By checking "Yes" above, 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.	<input checked="" type="radio"/> Yes <input type="radio"/> No
		See Explanation in Exhibit 12
15.	Channels 52-59. If the proposed channel is within channels 52-59, the applicant certifies compliance with the following requirements, as applicable: <input type="checkbox"/> The applicant is applying for a digital companion channel for which no suitable channel from channel 2-51 is available. <input type="checkbox"/> Pursuant to Section 74.786(d), the applicant has notified, within 30 days of filing this application, all commercial wireless licenses of the spectrum comprising the proposed TV channel and the first adjacent channels thereto, for which the proposed digital LPTV or TV translator antenna site lies inside the licensed geographic boundaries of the wireless licensees or within 75 miles and 50 miles, respectively, of the geographic boundaries of co-channel and adjacent-channel wireless licensees.	
16.	Channels 60-69. If the proposed channel is within channels 60-69, the applicant certifies compliance with the following requirements, as applicable: <input type="checkbox"/> Pursuant to Section 74.786(e), the applicant has notified, within 30 days of filing this application , all commercial wireless licenses of the spectrum comprising the proposed TV channel and the first adjacent channels thereto, for which the proposed digital LPTV or TV translator antenna site lies inside the licensed geographic boundaries of the wireless licensees or within 75 miles and 50 miles, respectively, of the geographic boundaries of co-channel and adjacent-channel wireless licensees. <input type="checkbox"/> Pursuant to Section 74.786(e), the applicant proposing operation on channel 63, 64, 68 and 69 ("public safety channels") has secured a coordinated spectrum use agreements(s) with 700 MHz public safety regional planning committee(s) and state administrator(s) of the region(s) and state(s) within which the antenna site of the digital LPTV or TV translator station is proposed to locate, and those adjoining regions and states with boundaries within 75 miles of the proposed station location. <input type="checkbox"/> Pursuant to Section 74.786(e), the applicant for a channel adjacent to channel 63, 64, 68 or 69 has notified, within 30 days of filing this application, the 700 MHz public safety regional planning committee(s) and state administrator(s) of the region and state containing the proposed digital LPTV or TV translator antenna site and regions and states whose geographic boundaries lie within 50 miles of the proposed LPTV or TV translator antenna site.	
PREPARERS CERTIFICATION ON PAGE 3 MUST BE COMPLETED AND SIGNED.		

[Validate](#)[Save](#)[Clear](#)[Menu](#)

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Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-29-2009 Time: 19:30:49

Record Selected for Analysis

KFXL-LD USERRECORD-01 LUFKIN TX US
Channel 29 ERP 15. kW HAAT 225. m RCAMSL 00308 m SIMPLE MASK
Latitude 031-21-55 Longitude 0094-45-59
Status APP Zone 3 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	15.000	232.1	51.6
45.0	15.000	230.1	51.5
90.0	15.000	218.1	50.8
135.0	15.000	219.5	50.9
180.0	15.000	228.7	51.4
225.0	15.000	236.3	51.9
270.0	15.000	227.0	51.3
315.0	15.000	206.2	50.1

Contour Overlap to Proposed Station

Station
KFXL-LP 30 LUFKIN TX BLTT19970703JA

Station inside contour of Digital LPTV station
KFXL-LD 29 LUFKIN TX USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

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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

Channel	Proposed Station Call	City/State	ARN
29	KFXL-LD	LUFKIN TX	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KIBN-LP	LUFKIN TX	0.0	APP	BSTA	-20070824AGV
14	KIBN-LP	LUFKIN TX	0.0	APP	BSTA	-20080626ABQ
14	KIBN-LP	LUFKIN TX	0.0	LIC	BLTTL	-20090407AHW
28	KTBS-TV	SHREVEPORT LA	166.4	LIC	BLCDT	-20020911ABZ
28	KYLE-TV	BRYAN TX	175.1	CP	BPCDT	-20090507ADF
28	KYLE-DR	BRYAN TX	175.1	APP	BPRM	-20090203AEO
29	K29DC	EL DORADO AR	287.2	LIC	BLTTL	-20001213ACL
29	KSJA-CA	NASHVILLE AR	302.2	APP	BSTA	-20070109AAP
29	KSJA-CA	NASHVILLE AR	302.2	CP	BDISTTA	-20080805ABF
29	KSJA-CA	NASHVILLE AR	302.2	APP	BDISTTA	-20070108ABP
29	K57GK	ALEXANDRIA LA	224.4	CP	BDISTTL	-20071207ACC
29	K29HW-D	AUSTIN TX	308.0	CP	BDCCDTL	-20061027AAH
29	KQHO-LP	BEAUMONT TX	156.2	APP	BDISDTL	-20090410AFN
29	KJIB-LP	CLEAR LAKE TX	211.8	CP	BDISDTL	-20080514AGQ
29	KJIB-LP	CLEAR LAKE CITY TX	211.8	APP	BSTA	-20060605AAC
29	KNAV-LP	DE SOTO TX	248.3	APP	BDISDTL	-20090619ACW
29	KHFW-LP	DENISON TX	309.4	APP	BDISDTL	-20090305AAX
29	K47IJ	SAN ANTONIO TX	399.0	APP	BDISDTL	-20090604ACM
30	KVHP	LAKE CHARLES LA	164.8	CP	BPCDT	-19990714LD
30	KHTX-LP	HUNTSVILLE TX	99.9	LIC	BLTTL	-19980813JD
30	KFXL-LP	LUFKIN TX	0.0	LIC	BLTT	-19970703JA
31	K31HO	SHREVEPORT LA	164.5	LIC	BLTTL	-20050321AOQ
36	KLGV-LP	LONGVIEW TX	120.5	APP	BSTA	-20060626AAZ
36	KLGV-LP	LONGVIEW TX	120.5	LIC	BLTTL	-20070718AEU

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	KIBN-LP	LUFKIN TX	BSTA	-20070824AGV

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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KPBN-LD	BATON ROUGE LA	361.1	CP	BDCCDTL	-20061016AAZ
14	KFAM-LP	LAKE CHARLES LA	188.3	LIC	BLTTA	-20050509ACM
14	KVAT-LP	AUSTIN TX	311.7	APP	BDISDTL	-20090617ACF
14	KERA-TV	DALLAS TX	246.4	LIC	BLEDT	-20031103ACR
14	KERA-TV	DALLAS TX	246.4	PLN	DTVPLN	-DTVP0510
18	KYTX	NACOGDOCHES TX	67.2	LIC	BLCDDT	-20070810AAO
18	KYTX	NACOGDOCHES TX	67.2	PLN	DTVPLN	-DTVP0653
22	KETK-TV	JACKSONVILLE TX	93.1	LIC	BLCDDT	-20060621AAF
22	KETK-TV	JACKSONVILLE TX	93.1	PLN	DTVPLN	-DTVP0822
29	KFXL-LD	LUFKIN TX	0.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	KIBN-LP	LUFKIN TX	BSTA	-20080626ABQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KPBN-LD	BATON ROUGE LA	361.1	CP	BDCCDTL	-20061016AAZ
14	KFAM-LP	LAKE CHARLES LA	188.3	LIC	BLTTA	-20050509ACM
14	KVAT-LP	AUSTIN TX	311.7	APP	BDISDTL	-20090617ACF
14	KERA-TV	DALLAS TX	246.4	LIC	BLEDT	-20031103ACR
14	KERA-TV	DALLAS TX	246.4	PLN	DTVPLN	-DTVP0510
18	KYTX	NACOGDOCHES TX	67.2	LIC	BLCDDT	-20070810AAO
18	KYTX	NACOGDOCHES TX	67.2	PLN	DTVPLN	-DTVP0653
22	KETK-TV	JACKSONVILLE TX	93.1	LIC	BLCDDT	-20060621AAF
22	KETK-TV	JACKSONVILLE TX	93.1	PLN	DTVPLN	-DTVP0822
29	KFXL-LD	LUFKIN TX	0.0	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.
14	KIBN-LP	LUFKIN TX	BLTTL	-20090407AHW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KPBN-LD	BATON ROUGE LA	361.1	CP	BDCCDTL	-20061016AAZ
14	KFAM-LP	LAKE CHARLES LA	188.3	LIC	BLTTA	-20050509ACM
14	KVAT-LP	AUSTIN TX	311.7	APP	BDISDTL	-20090617ACF
14	KERA-TV	DALLAS TX	246.4	LIC	BLEDT	-20031103ACR

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14	KERA-TV	DALLAS TX	246.4	PLN	DTVPLN	-DTVP0510
18	KYTX	NACOGDOCHES TX	67.2	LIC	BLCDDT	-20070810AAO
18	KYTX	NACOGDOCHES TX	67.2	PLN	DTVPLN	-DTVP0653
22	KETK-TV	JACKSONVILLE TX	93.1	LIC	BLCDDT	-20060621AAF
22	KETK-TV	JACKSONVILLE TX	93.1	PLN	DTVPLN	-DTVP0822
29	KFXL-LD	LUFKIN TX	0.0	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
28	KTBS-TV	SHREVEPORT LA	DTVPLN	-DTVP1034

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	KTVE	EL DORADO AR	165.0	PLN	DTVPLN	-DTVP0981
28	KATC	LAFAYETTE LA	305.2	PLN	DTVPLN	-DTVP1033
28	KTPX	OKMULGEE OK	403.7	PLN	DTVPLN	-DTVP1047
28	KYLE	BRYAN TX	323.8	PLN	DTVPLN	-DTVP1052

Results for: 28A LA SHREVEPORT DTVPLN DTVP1034 PLN

HAAT 543.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1095186	44676.6
not affected by terrain losses	1093381	44464.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17995	1515.0
lost to ATV IX only	17995	1515.0
lost to all IX	17995	1515.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	KTBS-TV	SHREVEPORT LA	BLCDDT	-20020911ABZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	KTVE	EL DORADO AR	165.0	LIC	BLCDDT	-20070105ABH
27	KTVE	EL DORADO AR	165.0	PLN	DTVPLN	-DTVP0981
28	KATC	LAFAYETTE LA	305.2	CP MOD	BMPCDDT	-20060906AAW
28	KATC	LAFAYETTE LA	305.2	PLN	DTVPLN	-DTVP1033
28	KTPX-TV	OKMULGEE OK	403.7	LIC	BLCDDT	-20020510AAQ
28	KTPX	OKMULGEE OK	403.7	PLN	DTVPLN	-DTVP1047
28	KYLE-TV	BRYAN TX	323.8	CP	BPCDDT	-20090507ADF
28	KYLE	BRYAN TX	323.8	PLN	DTVPLN	-DTVP1052
28	KYLE-DR	BRYAN TX	323.8	APP	BPRM	-20090203AEO
29	KFXL-LD	LUFKIN TX	166.4	APP	USERRECORD-01	

Total scenarios = 20

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Result key: 1
 Scenario 1 Affected station 4 KTBS-TV
 Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 1

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	BPCDT	20090507ADF	CP

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 1

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	BPCDT	20090507ADF	CP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 2
 Scenario 2 Affected station 4 KTBS-TV
 Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 2

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27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	DTVPLN	DTVP1052	PLN

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 2

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	DTVPLN	DTVP1052	PLN
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 3
 Scenario 3 Affected station 4 KTBS-TV
 Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 3

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPCDT	20090507ADF	CP

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

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Potential Interfering Stations Included in above Scenario 3

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPCDT	20090507ADF	CP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 4
 Scenario 4 Affected station 4 KTBS-TV
 Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 4

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	DTVPLN	DTVP1052	PLN

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 4

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	DTVPLN	DTVP1052	PLN
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 5
 Scenario 5 Affected station 4 KTBS-TV
 Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
--	------------	--------------

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within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 5

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	BPCDT	20090507ADF	CP

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 5

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	BPCDT	20090507ADF	CP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 6
Scenario 6 Affected station 4 KTBS-TV
Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 6

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	DTVPLN	DTVP1052	PLN

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC

Matthew A. Sanderford, Jr., P.E.

HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 6

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	DTVPLN	DTVP1052	PLN
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 7

Scenario 7 Affected station 4 KTBS-TV

Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC

HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 7

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPCDT	20090507ADF	CP

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC

HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 7

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPCDT	20090507ADF	CP
29A TX LUFKIN	USERRECORD01		APP

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Percent new IX = 0.0157%

Result key: 8
Scenario 8 Affected station 4 KTBS-TV
Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 8

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	DTVPLN	DTVP1052	PLN

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 8

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	DTVPLN	DTVP1052	PLN
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 9
Scenario 9 Affected station 4 KTBS-TV
Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

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Potential Interfering Stations Included in above Scenario 9

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDDT	20060906AAW	CP
28A TX BRYAN	BPCDDT	20090507ADF	CP

After Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 9

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDDT	20060906AAW	CP
28A TX BRYAN	BPCDDT	20090507ADF	CP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 10

Scenario 10 Affected station 4 KTBS-TV

Before Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 10

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDDT	20060906AAW	CP
28A TX BRYAN	DTVPLN	DTVP1052	PLN

After Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0

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lost to all IX 21068 1597.0

Potential Interfering Stations Included in above Scenario 10

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDDT	20060906AAW	CP
28A TX BRYAN	DTVPLN	DTVP1052	PLN
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 11

Scenario 11 Affected station 4 KTBS-TV

Before Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 11

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDDT	20060906AAW	CP
28A TX BRYAN	BPRM	20090203AEO	APP

After Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 11

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	BMPCDDT	20060906AAW	CP
28A TX BRYAN	BPRM	20090203AEO	APP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 12

Scenario 12 Affected station 4 KTBS-TV

Before Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC

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HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 12

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPCDDT	20090507ADF	CP

After Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC

HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 12

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPCDDT	20090507ADF	CP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 13

Scenario 13 Affected station 4 KTBS-TV

Before Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC

HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 13

27A AR EL DORADO	BLCDDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	DTVPLN	DTVP1052	PLN

After Analysis

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Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 13

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	DTVPLN	DTVP1052	PLN
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 14
 Scenario 14 Affected station 4 KTBS-TV
 Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 14

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPRM	20090203AEO	APP

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 14

27A AR EL DORADO	BLCDT	20070105ABH	LIC
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPRM	20090203AEO	APP

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29A TX LUFKIN USERRECORD01 APP

Percent new IX = 0.0157%

Result key: 15
Scenario 15 Affected station 4 KTBS-TV
Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 15

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	BPCDT	20090507ADF	CP

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 15

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	BPCDT	20090507ADF	CP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 16
Scenario 16 Affected station 4 KTBS-TV
Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3

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lost to all IX 20899 1545.3

Potential Interfering Stations Included in above Scenario 16

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	DTVPLN	DTVP1052	PLN

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 16

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	DTVPLN	DTVP1052	PLN
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 17
Scenario 17 Affected station 4 KTBS-TV
Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 17

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	BPRM	20090203AEO	APP

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0

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lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 17

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	BMPCDT	20060906AAW	CP
28A TX BRYAN	BPRM	20090203AEO	APP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 18
 Scenario 18 Affected station 4 KTBS-TV
 Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 18

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPCDT	20090507ADF	CP

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 18

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPCDT	20090507ADF	CP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 19
 Scenario 19 Affected station 4 KTBS-TV
 Before Analysis

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Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 19

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	DTVPLN	DTVP1052	PLN

After Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 19

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	DTVPLN	DTVP1052	PLN
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Result key: 20
 Scenario 20 Affected station 4 KTBS-TV
 Before Analysis

Results for: 28A LA SHREVEPORT BLCDT 20020911ABZ LIC
 HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	20899	1545.3
lost to ATV IX only	20899	1545.3
lost to all IX	20899	1545.3

Potential Interfering Stations Included in above Scenario 20

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPRM	20090203AEO	APP

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After Analysis

Results for: 28A LA SHREVEPORT BLCDDT 20020911ABZ LIC
HAAT 563.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106636	45441.0
not affected by terrain losses	1103942	45219.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21068	1597.0
lost to ATV IX only	21068	1597.0
lost to all IX	21068	1597.0

Potential Interfering Stations Included in above Scenario 20

27A AR EL DORADO	DTVPLN	DTVP0981	PLN
28A LA LAFAYETTE	DTVPLN	DTVP1033	PLN
28A TX BRYAN	BPRM	20090203AEO	APP
29A TX LUFKIN	USERRECORD01		APP

Percent new IX = 0.0157%

Worst case new IX 0.0157% Scenario 1

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Analysis of Interference to Affected Station 5

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
28	KYLE	BRYAN TX	DTVPLN	-DTVP1052

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	KXAM-TV	LLANO TX	204.6	PLN	DTVPLN	-DTVP1014
28	KATC	LAFAYETTE LA	398.2	PLN	DTVPLN	-DTVP1033
28	KTBS-TV	SHREVEPORT LA	323.8	PLN	DTVPLN	-DTVP1034
28	KFDX-TV	WICHITA FALLS TX	408.3	PLN	DTVPLN	-DTVP1054

Results for: 28A TX BRYAN DTVPLN DTVP1052 PLN
HAAT 220.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	270070	12798.8
not affected by terrain losses	270070	12790.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	48	11.0
lost to ATV IX only	48	11.0
lost to all IX	48	11.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	KYLE-TV	BRYAN TX	BPCDDT	-20090507ADF

Stations Potentially Affecting This Station

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Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	KXAM-TV	LLANO TX	204.6	CP	BPCDT	-19991018AAV
27	KXAM-TV	LLANO TX	204.6	PLN	DTVPLN	-DTVP1014
28	KATC	LAFAYETTE LA	398.2	CP MOD	BMPCDT	-20060906AAW
28	KATC	LAFAYETTE LA	398.2	PLN	DTVPLN	-DTVP1033
28	KTBS-TV	SHREVEPORT LA	323.8	LIC	BLCDDT	-20020911ABZ
28	KTBS-TV	SHREVEPORT LA	323.8	PLN	DTVPLN	-DTVP1034
28	KTRG	DEL RIO TX	364.2	APP	BMPCDT	-20080618ACC
28	KFDX-TV	WICHITA FALLS TX	408.3	CP MOD	BMPCDT	-20070621ABP
28	KFDX-TV	WICHITA FALLS TX	408.3	PLN	DTVPLN	-DTVP1054
29	KFXL-LD	LUFKIN TX	175.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	KYLE-DR	BRYAN TX	BPRM	-20090203AEO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	KXAM-TV	LLANO TX	204.6	CP	BPCDT	-19991018AAV
27	KXAM-TV	LLANO TX	204.6	PLN	DTVPLN	-DTVP1014
28	KATC	LAFAYETTE LA	398.2	CP MOD	BMPCDT	-20060906AAW
28	KATC	LAFAYETTE LA	398.2	PLN	DTVPLN	-DTVP1033
28	KTBS-TV	SHREVEPORT LA	323.8	LIC	BLCDDT	-20020911ABZ
28	KTBS-TV	SHREVEPORT LA	323.8	PLN	DTVPLN	-DTVP1034
28	KTRG	DEL RIO TX	364.2	APP	BMPCDT	-20080618ACC
28	KFDX-TV	WICHITA FALLS TX	408.3	CP MOD	BMPCDT	-20070621ABP
28	KFDX-TV	WICHITA FALLS TX	408.3	PLN	DTVPLN	-DTVP1054
29	KFXL-LD	LUFKIN TX	175.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
29	K29DC	EL DORADO AR	BLTTL	-20001213ACL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	KPXJ	MINDEN LA	131.9	LIC	BLCDDT	-20050930AAL
21	KPXJ	MINDEN LA	131.9	PLN	DTVPLN	-DTVP0760
22	KATV	LITTLE ROCK AR	141.3	PLN	DTVPLN	-DTVP0787
26	KVTH-DT	HOT SPRINGS AR	126.3	CP	BPCDT	-20080331APY
26	KVTH	HOT SPRINGS AR	126.4	PLN	DTVPLN	-DTVP0940

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27	KTVE	EL DORADO AR	49.2	LIC	BLC DT	-20070105ABH
27	KTVE	EL DORADO AR	49.2	PLN	DTVPLN	-DTVP0981
28	KTBS-TV	SHREVEPORT LA	131.9	LIC	BLC DT	-20020911ABZ
28	KTBS-TV	SHREVEPORT LA	131.9	PLN	DTVPLN	-DTVP1034
29	KSJA-CA	NASHVILLE AR	129.5	APP	BSTA	-20070109AAP
29	KSJA-CA	NASHVILLE AR	129.5	CP	BDISTTA	-20080805ABF
29	KSJA-CA	NASHVILLE AR	129.5	APP	BDISTTA	-20070108ABP
29	WKNO	MEMPHIS TN	337.5	LIC	BLED T	-20060627ABE
29	WKNO	MEMPHIS TN	337.5	PLN	DTVPLN	-DTVP1089
29	WKNO	MEMPHIS TN	337.5	CP MOD	BMPED T	-20021112ACA
29	KQHO-LP	BEAUMONT TX	372.5	APP	BDISDTL	-20090410AFN
29	KNAV-LP	DE SOTO TX	405.2	APP	BDISDTL	-20090619ACW
29	KHFW-LP	DENISON TX	384.2	APP	BDISDTL	-20090305AAX
36	KARD	WEST MONROE LA	139.8	CP MOD	BMPCDT	-20070125ACR
36	KARD	WEST MONROE LA	139.8	PLN	DTVPLN	-DTVP1330
43	KEJB	EL DORADO AR	49.4	CP MOD	BMPCDT	-20080620AKK
43	KEJB	EL DORADO AR	49.2	PLN	DTVPLN	-DTVP1526
44	KSHV	SHREVEPORT LA	133.0	LIC	BLC DT	-20060215ACP
44	KSHV	SHREVEPORT LA	133.0	PLN	DTVPLN	-DTVP1576
29	KFXL-LD	LUFKIN TX	287.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
29	KSJA-CA	NASHVILLE AR	BSTA	-20070109AAP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	KHBS	FORT SMITH AR	145.5	LIC	BLC DT	-20031121AMR
21	KHBS	FORT SMITH AR	145.5	PLN	DTVPLN	-DTVP0746
21	KPXJ	MINDEN LA	142.7	LIC	BLC DT	-20050930AAL
21	KPXJ	MINDEN LA	142.7	PLN	DTVPLN	-DTVP0760
26	KVTH-DT	HOT SPRINGS AR	84.8	CP	BPCDT	-20080331APY
26	KVTH	HOT SPRINGS AR	84.8	PLN	DTVPLN	-DTVP0940
29	K29DC	EL DORADO AR	129.5	LIC	BLTTL	-20001213ACL
29	KTUZ-TV	SHAWNEE OK	378.1	CP MOD	BMPCDT	-20060707AFM
29	KTUZ-TV	SHAWNEE OK	378.1	PLN	DTVPLN	-DTVP1083
29	KTUZ-TV	SHAWNEE OK	378.1	CP MOD	BMPCDT	-20080619AKA
29	WKNO	MEMPHIS TN	389.6	LIC	BLED T	-20060627ABE
29	WKNO	MEMPHIS TN	389.6	PLN	DTVPLN	-DTVP1089
29	WKNO	MEMPHIS TN	389.6	CP MOD	BMPED T	-20021112ACA
29	KNAV-LP	DE SOTO TX	329.7	APP	BDISDTL	-20090619ACW
29	KHFW-LP	DENISON TX	281.8	APP	BDISDTL	-20090305AAX
44	KSHV	SHREVEPORT LA	144.9	LIC	BLC DT	-20060215ACP
44	KSHV	SHREVEPORT LA	144.9	PLN	DTVPLN	-DTVP1576
29	KFXL-LD	LUFKIN TX	302.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	KSJA-CA	NASHVILLE AR	BDISTTA -20080805ABF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	KHBS	FORT SMITH AR	145.5	LIC	BLCDDT -20031121AMR
21	KHBS	FORT SMITH AR	145.5	PLN	DTVPLN -DTVP0746
21	KPXJ	MINDEN LA	142.7	LIC	BLCDDT -20050930AAL
21	KPXJ	MINDEN LA	142.7	PLN	DTVPLN -DTVP0760
26	KVTH-DT	HOT SPRINGS AR	84.8	CP	BPCDDT -20080331APY
26	KVTH	HOT SPRINGS AR	84.8	PLN	DTVPLN -DTVP0940
29	K29DC	EL DORADO AR	129.5	LIC	BLTTTL -20001213ACL
29	KTUZ-TV	SHAWNEE OK	378.1	CP MOD	BMPCDDT -20060707AFM
29	KTUZ-TV	SHAWNEE OK	378.1	PLN	DTVPLN -DTVP1083
29	KTUZ-TV	SHAWNEE OK	378.1	CP MOD	BMPCDDT -20080619AKA
29	WKNO	MEMPHIS TN	389.6	LIC	BLEDT -20060627ABE
29	WKNO	MEMPHIS TN	389.6	PLN	DTVPLN -DTVP1089
29	WKNO	MEMPHIS TN	389.6	CP MOD	BMPEDT -20021112ACA
29	KNAV-LP	DE SOTO TX	329.7	APP	BDISDTL -20090619ACW
29	KHFW-LP	DENISON TX	281.8	APP	BDISDTL -20090305AAX
44	KSHV	SHREVEPORT LA	144.9	LIC	BLCDDT -20060215ACP
44	KSHV	SHREVEPORT LA	144.9	PLN	DTVPLN -DTVP1576
29	KFXL-LD	LUFKIN TX	302.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	KSJA-CA	NASHVILLE AR	BDISTTA -20070108ABP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	KHBS	FORT SMITH AR	145.5	LIC	BLCDDT -20031121AMR
21	KHBS	FORT SMITH AR	145.5	PLN	DTVPLN -DTVP0746
21	KPXJ	MINDEN LA	142.7	LIC	BLCDDT -20050930AAL
21	KPXJ	MINDEN LA	142.7	PLN	DTVPLN -DTVP0760
26	KVTH-DT	HOT SPRINGS AR	84.8	CP	BPCDDT -20080331APY
26	KVTH	HOT SPRINGS AR	84.8	PLN	DTVPLN -DTVP0940
29	K29DC	EL DORADO AR	129.5	LIC	BLTTTL -20001213ACL
29	KTUZ-TV	SHAWNEE OK	378.1	CP MOD	BMPCDDT -20060707AFM
29	KTUZ-TV	SHAWNEE OK	378.1	PLN	DTVPLN -DTVP1083
29	KTUZ-TV	SHAWNEE OK	378.1	CP MOD	BMPCDDT -20080619AKA
29	WKNO	MEMPHIS TN	389.6	LIC	BLEDT -20060627ABE
29	WKNO	MEMPHIS TN	389.6	PLN	DTVPLN -DTVP1089
29	WKNO	MEMPHIS TN	389.6	CP MOD	BMPEDT -20021112ACA

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29	KNAV-LP	DE SOTO TX	329.7	APP	BDISDTL	-20090619ACW
29	KHFW-LP	DENISON TX	281.8	APP	BDISDTL	-20090305AAX
44	KSHV	SHREVEPORT LA	144.9	LIC	BLCDT	-20060215ACP
44	KSHV	SHREVEPORT LA	144.9	PLN	DTVPLN	-DTVP1576
29	KFXL-LD	LUFKIN TX	302.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	K57GK	ALEXANDRIA LA	BDISTTL -20071207ACC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	KLPA-TV	ALEXANDRIA LA	31.8	LIC	BLEDT -20031212ABA
26	KLPA-TV	ALEXANDRIA LA	31.8	PLN	DTVPLN -DTVP0950
28	KATC	LAFAYETTE LA	109.8	CP MOD	BMPCDT -20060906AAW
28	KATC	LAFAYETTE LA	109.8	PLN	DTVPLN -DTVP1033
29	WVUE	NEW ORLEANS LA	278.7	LIC	BLCDT -20050614AAH
29	WVUE-DR	NEW ORLEANS LA	278.7	APP	BPRM -20090528AFA
29	KQHO-LP	BEAUMONT TX	203.7	APP	BDISDTL -20090410AFN
29	KJIB-LP	CLEAR LAKE TX	354.8	CP	BDISDTL -20080514AGQ
30	WLFT-CA	BATON ROUGE LA	164.8	CP	BDFCDTA -20080804ACM
30	KOPP-LP	OPELOUSAS LA	93.3	CP	BDISDTL -20060331AVY
31	KLAX-TV	ALEXANDRIA LA	31.9	CP	BPCDT -20080617ADM
31	KLAX-TV	ALEXANDRIA LA	31.9	PLN	DTVPLN -DTVP1141
36	KARD	WEST MONROE LA	90.2	CP MOD	BMPCDT -20070125ACR
36	KARD	WEST MONROE LA	90.2	PLN	DTVPLN -DTVP1330
29	KFXL-LD	LUFKIN TX	224.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	K29HW-D	AUSTIN TX	BDCCDTL -20061027AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
28	KYLE-TV	BRYAN TX	133.4	CP	BPCDT -20090507ADF
28	KYLE	BRYAN TX	133.4	PLN	DTVPLN -DTVP1052
28	KYLE-DR	BRYAN TX	133.4	APP	BPRM -20090203AEO
29	KRBC-TV	ABILENE TX	283.1	LIC	BLCDT -20070831AAK
29	KRBC-TV	ABILENE TX	283.1	PLN	DTVPLN -DTVP1090
29	KQHO-LP	BEAUMONT TX	357.5	APP	BDISDTL -20090410AFN
29	KJIB-LP	CLEAR LAKE TX	228.9	CP	BDISDTL -20080514AGQ

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29	K29IP-D	CORPUS CHRISTI TX	278.8	LIC	BLDTL	-20090210AAU
29	KNAV-LP	DE SOTO TX	266.2	APP	BDISDTL	-20090619ACW
29	KHFW-LP	DENISON TX	371.2	APP	BDISDTL	-20090305AAX
29	K47IJ	SAN ANTONIO TX	95.6	APP	BDISDTL	-20090604ACM
30	KPLE-LD	KILLEEN TX	88.3	LIC	BLDTL	-20090416ASY
30	KABB	SAN ANTONIO TX	121.9	CP	BPCDT	-19991028AAR
30	KABB	SAN ANTONIO TX	121.9	PLN	DTVPLN	-DTVP1119
30	KABB	SAN ANTONIO TX	121.9	APP	BMPCDT	-20080620AKE
29	KFXL-LD	LUFKIN TX	308.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	KQHO-LP	BEAUMONT TX	BDISDTL -20090410AFN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WVUE	NEW ORLEANS LA	392.3	LIC	BLCDDT -20050614AAH
29	WVUE-DR	NEW ORLEANS LA	392.3	APP	BPRM -20090528AFA
29	K29HW-D	AUSTIN TX	357.5	CP	BDCCDTL -20061027AAH
29	KJIB-LP	CLEAR LAKE TX	155.7	CP	BDISDTL -20080514AGQ
29	K29IP-D	CORPUS CHRISTI TX	421.7	LIC	BLDTL -20090210AAU
29	KNAV-LP	DE SOTO TX	392.4	APP	BDISDTL -20090619ACW
30	KVHP	LAKE CHARLES LA	47.1	CP	BPCDT -19990714LD
30	KVHP	LAKE CHARLES LA	47.1	PLN	DTVPLN -DTVP1104
30	KOPP-LP	OPELOUSAS LA	193.6	CP	BDISDTL -20060331AVY
29	KFXL-LD	LUFKIN TX	156.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	KJIB-LP	CLEAR LAKE TX	BDISDTL -20080514AGQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
28	KHVV-CA	HOUSTON TX	0.0	LIC	BLTTA -20061214ABD
28	KHVV-CA	HOUSTON TX	0.0	APP	BSTA -20060227ACL
29	K29HW-D	AUSTIN TX	228.9	CP	BDCCDTL -20061027AAH
29	KQHO-LP	BEAUMONT TX	155.7	APP	BDISDTL -20090410AFN
29	K29IP-D	CORPUS CHRISTI TX	273.8	LIC	BLDTL -20090210AAU
29	KNAV-LP	DE SOTO TX	363.1	APP	BDISDTL -20090619ACW
29	K47IJ	SAN ANTONIO TX	284.2	APP	BDISDTL -20090604ACM
30	KCVH-LP	HOUSTON TX	1.0	LIC	BLTTL -20060526AAV

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29 KFXL-LD LUFKIN TX 211.8 APP USERRECORD-01
 Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
29	KJIB-LP	CLEAR LAKE CITY TX	BSTA	-20060605AAC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KRIV	HOUSTON TX	1.7	CP MOD	BMPCDT	-20080620AKF
26	KRIV	HOUSTON TX	1.7	PLN	DTVPLN	-DTVP0972
28	KHVV-CA	HOUSTON TX	0.0	LIC	BLTTA	-20061214ABD
28	KHVV-CA	HOUSTON TX	0.0	APP	BSTA	-20060227ACL
29	K29HW-D	AUSTIN TX	228.9	CP	BDCCDTL	-20061027AAH
29	KQHO-LP	BEAUMONT TX	155.7	APP	BDISDTL	-20090410AFN
29	K29IP-D	CORPUS CHRISTI TX	273.8	LIC	BLDTL	-20090210AAU
29	KNAV-LP	DE SOTO TX	363.1	APP	BDISDTL	-20090619ACW
29	K47IJ	SAN ANTONIO TX	284.2	APP	BDISDTL	-20090604ACM
30	K30DN	FREEPORT TX	51.8	APP	BSTA	-20060512ACJ
30	KCVH-LP	HOUSTON TX	1.0	LIC	BLTTL	-20060526AAV
32	KPXB-TV	CONROE TX	0.0	CP MOD	BMPCDT	-20080619AGV
32	KPXB	CONROE TX	0.0	PLN	DTVPLN	-DTVP1197
36	KFTH-DT	ALVIN TX	0.0	LIC	BLCDDT	-20050527BEM
36	KFTH-TV	ALVIN TX	0.0	PLN	DTVPLN	-DTVP1349
44	KZJL	HOUSTON TX	1.0	CP	BPCDDT	-20080612AAQ
44	KZJL	HOUSTON TX	1.0	PLN	DTVPLN	-DTVP1593
29	KFXL-LD	LUFKIN TX	211.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
29	KNAV-LP	DE SOTO TX	BDISDTL	-20090619ACW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	K28AC	ARDMORE OK	176.0	CP	BDFCDTA	-20060630AHS
28	KHPK-LP	DE SOTO TX	0.0	LIC	BLTTL	-20070829AAG
28	NEW	SHERMAN TX	126.4	APP	BSFDTL	-20060630ARW
29	KTUZ-TV	SHAWNEE OK	333.6	CP MOD	BMPCDT	-20060707AFM
29	KTUZ-TV	SHAWNEE OK	333.6	PLN	DTVPLN	-DTVP1083
29	KTUZ-TV	SHAWNEE OK	333.6	CP MOD	BMPCDT	-20080619AKA
29	K29HY-D	STRONG CITY OK	428.8	CP	BDCCDTT	-20061030ADJ
29	KRBC-TV	ABILENE TX	248.9	LIC	BLCDDT	-20070831AAK

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29	KRBC-TV	ABILENE TX	248.9	PLN	DTVPLN	-DTVP1090
29	K29HW-D	AUSTIN TX	266.2	CP	BDCCDTL	-20061027AAH
29	KQHO-LP	BEAUMONT TX	392.4	APP	BDISDTL	-20090410AFN
29	KJIB-LP	CLEAR LAKE TX	363.1	CP	BDISDTL	-20080514AGQ
29	KHFW-LP	DENISON TX	106.0	APP	BDISDTL	-20090305AAX
29	K47IJ	SAN ANTONIO TX	352.1	APP	BDISDTL	-20090604ACM
30	KMPX	DECATUR TX	0.2	LIC	BLCDDT	-20060317AGE
30	KMPX	DECATUR TX	0.2	PLN	DTVPLN	-DTVP1117
30	KPLE-LD	KILLEEN TX	182.9	LIC	BLDTL	-20090416ASY
29	KFXL-LD	LUFKIN TX	248.3	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	KHFW-LP	DENISON TX	BDISDTL -20090305AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
28	K28AC	ARDMORE OK	76.2	CP	BDFCDTA -20060630AHS
28	NEW	SHERMAN TX	27.9	APP	BSFDTL -20060630ARW
29	KTUZ-TV	SHAWNEE OK	232.8	CP MOD	BMPCDT -20060707AFM
29	KTUZ-TV	SHAWNEE OK	232.8	PLN	DTVPLN -DTVP1083
29	KTUZ-TV	SHAWNEE OK	232.8	CP MOD	BMPCDT -20080619AKA
29	K29HY-D	STRONG CITY OK	354.7	CP	BDCCDTT -20061030ADJ
29	K29HZ-D	WOODWARD, ETC. OK	403.6	CP	BDCCDTT -20061024AAI
29	KRBC-TV	ABILENE TX	293.5	LIC	BLCDDT -20070831AAK
29	KRBC-TV	ABILENE TX	293.5	PLN	DTVPLN -DTVP1090
29	K29HW-D	AUSTIN TX	371.2	CP	BDCCDTL -20061027AAH
29	KNAV-LP	DE SOTO TX	106.0	APP	BDISDTL -20090619ACW
30	KMPX	DECATUR TX	106.0	LIC	BLCDDT -20060317AGE
30	KMPX	DECATUR TX	106.0	PLN	DTVPLN -DTVP1117
29	KFXL-LD	LUFKIN TX	309.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	K47IJ	SAN ANTONIO TX	BDISDTL -20090604ACM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	KRBC-TV	ABILENE TX	308.2	LIC	BLCDDT -20070831AAK
29	KRBC-TV	ABILENE TX	308.2	PLN	DTVPLN -DTVP1090
29	K29HW-D	AUSTIN TX	95.6	CP	BDCCDTL -20061027AAH

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29	KJIB-LP	CLEAR LAKE TX	284.2	CP	BDISDTL	-20080514AGQ
29	K29IP-D	CORPUS CHRISTI TX	232.0	LIC	BLDTL	-20090210AAU
29	KNAV-LP	DE SOTO TX	352.1	APP	BDISDTL	-20090619ACW
30	KPLE-LD	KILLEEN TX	169.2	LIC	BLDTL	-20090416ASY
30	KABB	SAN ANTONIO TX	47.1	CP	BPCDT	-19991028AAR
30	KABB	SAN ANTONIO TX	47.1	PLN	DTVPLN	-DTVP1119
30	KABB	SAN ANTONIO TX	47.1	APP	BMPCDT	-20080620AKE
29	KFXL-LD	LUFKIN TX	399.0	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 19

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
30	KVHP	LAKE CHARLES LA	DTVPLN	-DTVP1104

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KMPX	DECATUR TX	410.7	PLN	DTVPLN	-DTVP1117
31	KLAX-TV	ALEXANDRIA LA	172.2	PLN	DTVPLN	-DTVP1141

Results for: 30A LA LAKE CHARLES DTVPLN DTVP1104 PLN
HAAT 315.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	730685	25794.0
not affected by terrain losses	730366	25744.0
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

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	KVHP	LAKE CHARLES LA	BPCDT	-19990714LD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KMPX	DECATUR TX	410.7	LIC	BLCDT	-20060317AGE
30	KMPX	DECATUR TX	410.7	PLN	DTVPLN	-DTVP1117
31	KLAX-TV	ALEXANDRIA LA	172.2	CP	BPCDT	-20080617ADM
31	KLAX-TV	ALEXANDRIA LA	172.2	PLN	DTVPLN	-DTVP1141
29	KFXL-LD	LUFKIN TX	164.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 20

Matthew A. Sanderford, Jr., P.E.

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	KHTX-LP	HUNTSVILLE TX	BLTTL -19980813JD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	KLTJ	GALVESTON TX	126.0	CP	BPEDT -20080617AAD
26	KRIV	HOUSTON TX	125.5	CP MOD	BMPCDT -20080620AKF
26	KRIV	HOUSTON TX	125.5	PLN	DTVPLN -DTVP0972
28	KYLE-TV	BRYAN TX	90.9	CP	BPCDT -20090507ADF
28	KYLE	BRYAN TX	90.9	PLN	DTVPLN -DTVP1052
28	KYLE-DR	BRYAN TX	90.9	APP	BPRM -20090203AEO
29	KQHO-LP	BEAUMONT TX	154.0	APP	BDISDTL -20090410AFN
29	KJIB-LP	CLEAR LAKE TX	125.9	CP	BDISDTL -20080514AGQ
30	KVHP	LAKE CHARLES LA	187.6	CP	BPCDT -19990714LD
30	KVHP	LAKE CHARLES LA	187.6	PLN	DTVPLN -DTVP1104
30	KOPP-LP	OPELOUSAS LA	327.4	CP	BDISDTL -20060331AVY
30	KMPX	DECATUR TX	252.7	LIC	BLCDDT -20060317AGE
30	KMPX	DECATUR TX	252.7	PLN	DTVPLN -DTVP1117
30	KCVH-LP	HOUSTON TX	126.9	LIC	BLTTL -20060526AAV
30	KPLE-LD	KILLEEN TX	220.5	LIC	BLDTL -20090416ASY
30	KFXL-LP	LUFKIN TX	99.9	LIC	BLTT -19970703JA
30	KABB	SAN ANTONIO TX	311.4	CP	BPCDT -19991028AAR
30	KABB	SAN ANTONIO TX	311.4	PLN	DTVPLN -DTVP1119
30	KABB	SAN ANTONIO TX	311.4	APP	BMPCDT -20080620AKE
31	KJIB-LP	HOUSTON TX	125.9	APP	BDISDTL -20090303AAK
32	KPXB-TV	CONROE TX	126.0	CP MOD	BMPCDT -20080619AGV
32	KPXB	CONROE TX	126.0	PLN	DTVPLN -DTVP1197
38	KIAH	HOUSTON TX	126.2	CP	BPCDT -20080619AKV
38	KHCW	HOUSTON TX	126.2	PLN	DTVPLN -DTVP1383
38	KIAH	HOUSTON TX	126.2	LIC	BLCDDT -20021022AAH
44	KZJL	HOUSTON TX	126.9	CP	BPCDT -20080612AAQ
44	KZJL	HOUSTON TX	126.9	PLN	DTVPLN -DTVP1593
45	KXLN-DT	ROSENBERG TX	126.9	CP MOD	BMPCDT -20080618ADX
45	KXLN-TV	ROSENBERG TX	126.9	PLN	DTVPLN -DTVP1635
29	KFXL-LD	LUFKIN TX	99.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	KFXL-LP	LUFKIN TX	BLTT -19970703JA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	KETK-TV	JACKSONVILLE TX	93.1	LIC	BLCDDT -20060621AAF
22	KETK-TV	JACKSONVILLE TX	93.1	PLN	DTVPLN -DTVP0822
29	KQHO-LP	BEAUMONT TX	156.2	APP	BDISDTL -20090410AFN
30	WLFT-CA	BATON ROUGE LA	370.6	CP	BDFCDTA -20080804ACM

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30	KVHP	LAKE CHARLES LA	164.8	CP	BPCDT	-19990714LD
30	KVHP	LAKE CHARLES LA	164.8	PLN	DTVPLN	-DTVP1104
30	KOPP-LP	OPELOUSAS LA	274.5	CP	BDISDTL	-20060331AVY
30	KMPX	DECATUR TX	248.1	LIC	BLCDDT	-20060317AGE
30	KMPX	DECATUR TX	248.1	PLN	DTVPLN	-DTVP1117
30	KCVH-LP	HOUSTON TX	212.7	LIC	BLTTL	-20060526AAV
30	KPLE-LD	KILLEEN TX	284.8	LIC	BLDTL	-20090416ASY
31	K31HO	SHREVEPORT LA	164.5	CP	BDFCDTT	-20060221ADH
31	KFXK	LONGVIEW TX	100.9	LIC	BLCDDT	-20060705AAW
31	KFXK	LONGVIEW TX	100.9	PLN	DTVPLN	-DTVP1160
29	KFXL-LD	LUFKIN TX	0.0	APP	USERRECORD-01	

Total scenarios = 1

Result key: 21
 Scenario 1 Affected station 21 KFXL-LP
 Before Analysis

Results for: 30N TX LUFKIN	BLTT	19970703JA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	80395	1307.5	
not affected by terrain losses	80395	1307.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	0	0.0	

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 30N TX LUFKIN	BLTT	19970703JA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	80395	1307.5	
not affected by terrain losses	80395	1307.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	79727	1296.6	
lost to all IX	79727	1296.6	

Potential Interfering Stations Included in above Scenario 1

29A TX LUFKIN USERRECORD01 APP

The following station failed the de minimis interference criteria.

29D TX LUFKIN USERRECORD01
 ERP 15.00 kW HAAT 225.0 m RCAMSL 308.0 m
 Antenna none

Due to interference to the following station and scenario: 1
 30N TX LUFKIN BLTT 19970703JA
 ERP 19.90 kW HAAT 244.0 m RCAMSL 308.0 m
 Antenna CDB 00000000016827

Percent new DTV interference without proposal:	0.0	BLTT	19970703JA
Percent new DTV interference with proposal:	99.2	BLTT	19970703JA

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Worst case new IX 99.1691% Scenario 1

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	K31HO	SHREVEPORT LA	BLTTL	-20050321AOQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KLTS-DR	SHREVEPORT LA	1.5	LIC	BPRM	-20080620AOC
24	KLTS-TV	SHREVEPORT LA	1.5	PLN	DTVPLN	-DTVP0880
24	KLTS-TV	SHREVEPORT LA	1.5	CP MOD	BMPEDT	-20090406AFO
28	KTBS-TV	SHREVEPORT LA	2.2	LIC	BLCDDT	-20020911ABZ
28	KTBS-TV	SHREVEPORT LA	2.2	PLN	DTVPLN	-DTVP1034
31	KWNL-LD	WINSLOW AR	387.6	CP	BDCCDTL	-20060928AHE
31	KLAX-TV	ALEXANDRIA LA	178.7	CP	BPCDDT	-20080617ADM
31	KLAX-TV	ALEXANDRIA LA	178.7	PLN	DTVPLN	-DTVP1141
31	KOET	EUFAULA OK	308.4	LIC	BLEDT	-20060601BJT
31	KOET	EUFAULA OK	308.4	PLN	DTVPLN	-DTVP1153
31	K31GL-D	DE SOTO TX	284.4	LIC	BLDTL	-20081110AJA
31	KJIB-LP	HOUSTON TX	375.3	APP	BDISDTL	-20090303AAK
31	KFXK	LONGVIEW TX	105.6	LIC	BLCDDT	-20060705AAW
31	KFXK	LONGVIEW TX	105.6	PLN	DTVPLN	-DTVP1160
32	NEW	LUFKIN TX	164.5	APP	BSFDTL	-20060630DAN
34	KMSS-TV	SHREVEPORT LA	0.0	LIC	BLCDDT	-20050705AAB
34	KMSS-TV	SHREVEPORT LA	0.0	PLN	DTVPLN	-DTVP1256
29	KFXL-LD	LUFKIN TX	164.5	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	KLGV-LP	LONGVIEW TX	BSTA	-20060626AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	KTBS-TV	SHREVEPORT LA	78.8	LIC	BLCDDT	-20020911ABZ
28	KTBS-TV	SHREVEPORT LA	78.8	PLN	DTVPLN	-DTVP1034
34	KMSS-TV	SHREVEPORT LA	78.1	LIC	BLCDDT	-20050705AAB
34	KMSS-TV	SHREVEPORT LA	78.1	PLN	DTVPLN	-DTVP1256
36	KKAP	LITTLE ROCK AR	332.9	CP	BPEDT	-20080618AUA
36	KKAP	LITTLE ROCK AR	332.9	PLN	DTVPLN	-DTVP1314

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36	KARD	WEST MONROE LA	242.9	CP MOD	BMPCDT	-20070125ACR
36	KARD	WEST MONROE LA	242.9	PLN	DTVPLN	-DTVP1330
36	KFTH-DT	ALVIN TX	328.5	LIC	BLCDDT	-20050527BEM
36	KFTH-TV	ALVIN TX	328.5	PLN	DTVPLN	-DTVP1349
36	KTFO-CA	AUSTIN TX	375.1	APP	BDISDTA	-20080804AFB
36	K36ID-D	BEAUMONT TX	269.4	LIC	BLDTL	-20071126AHR
36	KDFI	DALLAS TX	209.5	CP	BPCDDT	-20080723AAS
36	KDFI	DALLAS TX	209.5	PLN	DTVPLN	-DTVP1350
44	KSHV	SHREVEPORT LA	78.2	LIC	BLCDDT	-20060215ACP
44	KSHV	SHREVEPORT LA	78.2	PLN	DTVPLN	-DTVP1576
51	K51JW-D	SHREVEPORT LA	91.8	CP	BDCCDTL	-20061012ACW
51	KCEB-DR	LONGVIEW TX	29.7	APP	BPRM	-20080514AHH
51	KCEB	LONGVIEW TX	29.7	PLN	DTVPLN	-DTVP1815
51	KCEB	LONGVIEW TX	29.7	CP MOD	BMPCDT	-20081118AAA
29	KFXL-LD	LUFKIN TX	120.5	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	KLGV-LP	LONGVIEW TX	BLTTL	-20070718AEU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	KTBS-TV	SHREVEPORT LA	78.8	LIC	BLCDDT	-20020911ABZ
28	KTBS-TV	SHREVEPORT LA	78.8	PLN	DTVPLN	-DTVP1034
34	KMSS-TV	SHREVEPORT LA	78.1	LIC	BLCDDT	-20050705AAB
34	KMSS-TV	SHREVEPORT LA	78.1	PLN	DTVPLN	-DTVP1256
36	KKAP	LITTLE ROCK AR	332.9	CP	BPEDT	-20080618AUA
36	KKAP	LITTLE ROCK AR	332.9	PLN	DTVPLN	-DTVP1314
36	KARD	WEST MONROE LA	242.9	CP MOD	BMPCDT	-20070125ACR
36	KARD	WEST MONROE LA	242.9	PLN	DTVPLN	-DTVP1330
36	KFTH-DT	ALVIN TX	328.5	LIC	BLCDDT	-20050527BEM
36	KFTH-TV	ALVIN TX	328.5	PLN	DTVPLN	-DTVP1349
36	KTFO-CA	AUSTIN TX	375.1	APP	BDISDTA	-20080804AFB
36	K36ID-D	BEAUMONT TX	269.4	LIC	BLDTL	-20071126AHR
36	KDFI	DALLAS TX	209.5	CP	BPCDDT	-20080723AAS
36	KDFI	DALLAS TX	209.5	PLN	DTVPLN	-DTVP1350
44	KSHV	SHREVEPORT LA	78.2	LIC	BLCDDT	-20060215ACP
44	KSHV	SHREVEPORT LA	78.2	PLN	DTVPLN	-DTVP1576
51	K51JW-D	SHREVEPORT LA	91.8	CP	BDCCDTL	-20061012ACW
51	KCEB-DR	LONGVIEW TX	29.7	APP	BPRM	-20080514AHH
51	KCEB	LONGVIEW TX	29.7	PLN	DTVPLN	-DTVP1815
51	KCEB	LONGVIEW TX	29.7	CP MOD	BMPCDT	-20081118AAA
29	KFXL-LD	LUFKIN TX	120.5	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	KFXL-LD	LUFKIN TX	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	K29HW-D	AUSTIN TX	308.0	CP	BDCCDTL -20061027AAH
29	KQHO-LP	BEAUMONT TX	156.2	APP	BDISDTL -20090410AFN
29	KJIB-LP	CLEAR LAKE TX	211.8	CP	BDISDTL -20080514AGQ
29	KNAV-LP	DE SOTO TX	248.3	APP	BDISDTL -20090619ACW
29	KHFW-LP	DENISON TX	309.4	APP	BDISDTL -20090305AAX
29	K47IJ	SAN ANTONIO TX	399.0	APP	BDISDTL -20090604ACM
30	KFXL-LP	LUFKIN TX	0.0	LIC	BLTT -19970703JA

Total scenarios = 1

Result key: 22

Scenario 1 Affected station 25 KFXL-LD

Before Analysis

Results for: 29A TX LUFKIN USERRECORD01 APP

HAAT 225.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	156289	8541.7
not affected by terrain losses	156289	8541.7
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

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