

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
CONSTRUCTION PERMIT
TELEVISION STATION KSPR-DT
SPRINGFIELD, MISSOURI

October 4, 2007

CHANNEL 19 363 KW 590 M

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Technical Statement

This Technical Exhibit was prepared on behalf of digital television broadcast station KSPR-DT, Springfield, Missouri, in support of an application for modification of construction permit. KSPR-DT is paired with analog NTSC TV station KSPR(TV), Channel 33. KSPR-DT is authorized for operation on Channel 19 with a non-directional effective radiated power (ERP) of 1000 kW with an antenna height above average terrain (HAAT) of 548 m using its licensed analog tower site.*

The instant application proposes operation of the KSPR-DT facility at the existing tower site of KYTV(TV)/-DT (Springfield, MO, Channels 3 / 44) located near Fordland, MO approximately 5 km south of the KSPR-DT authorized transmitter site. The proposed facility has been designed with a reduced non-directional ERP of 363 kW in order to ensure compliance with the requirements the FCC Filing Freeze for television stations.†

Proposed Facilities

The proposed transmitting antenna will be an Electronics Research, Inc. (ERI), model ATW30H3-HSO-19H which will be mounted on the existing FCC registered tower. The transmitter site elevation is 472 m AMSL. The antenna center of

* See FCC File No. BMPCDT-20060720ABP.

† See August 2004 Filing Freeze PN, DA 04-2446 (MB rel. Aug. 3, 2004).

radiation will be located at 566 m above ground level and 1,038 m AMSL. The proposed KSPR-DT facility will operate on Channel 19 with a maximum directional average ERP of 25.6 dBk (363 kW) and antenna radiation center HAAT of 590 m.

There are no AM broadcast stations located within 3.2 km of the proposed transmitter site. There are no FCC Monitoring stations in proximity to the proposed facility. The proposed facility is not located within the Canadian or Mexican coordination zones. The proposed facility is located well beyond the distances necessary for protection of all recognized radio quiet zones. The facility is not located near any land mobile allotments on Channels 18, 19 or 20. The applicant recognizes its responsibility to correct objectionable electromagnetic interference problems that may result from its proposed operation.

The proposed facility provides minimum 48 dBu, f(50,90), coverage of Springfield in compliance with Section 73.625(a)(1) of the FCC Rules. Figure 1 herein is a map depicting the predicted coverage contours of the proposed facility.

Tower Registration

The existing antenna structure is registered with the FCC. The FCC antenna structure registration number is 1218324. There will be no change in the overall height of the antenna structure as a result of the instant proposal.

Allocation Considerations

The proposed KSPR-DT Channel 19 facility meets the requirements of Section 73.623 of the FCC Rules concerning predicted interference to other existing U.S. NTSC facilities and U.S. DTV allotments and assignments. Longley-Rice interference analyses were conducted pursuant to the requirements of the FCC Rules; OET Bulletin No. 69; and published FCC guidelines for preparation of such interference

analyses. The Longley-Rice interference analyses were conducted using the software based on the FCC published software routines.[‡] Stations selected for analysis were determined pursuant to the distance requirements outlined in the FCC DTV Processing Guidelines Public Notice. The results of the interference analyses for the proposed KSPR-DT facility are summarized herein at Appendix 1. As indicated therein, the proposed facility will meet the 2%/10% criterion outlined in the FCC Rules and published guidelines with respect to all considered stations.

With respect to Class A TV station protection, the proposal has been evaluated according to the requirements of Section 73.623(c)(5) of the FCC Rules. The analysis reveals no potentially affected Class A TV stations.

Environmental Considerations

An evaluation was conducted for the proposed facility concerning compliance with Section 1.1307(b) of the FCC Rules regarding human exposure to radio frequency (RF) energy.[§] Calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF radiation at ground level in excess of FCC standards. Power density calculations were conducted at 2-m above ground based on the following conservative assumptions, with the following results:

[‡] The duTreil, Lundin & Rackley, Inc. DTV interference analysis program is a precise implementation of the procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed.

[§] See FCC Office of Engineering and Technology Bulletin No. 56 for background information on non-ionizing RF energy of the type discussed here. Internet web reference:

http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet56/oet56e4.pdf

Call Sign	Channel	Average ERP (kW)	Radiation Center Height Above Ground (m)	Relative Field Factor **	FCC Limit ^{††} (mW/cm ²)	Percentage of Limit
KSPR-DT	19	363	566	0.2	0.335	0.46%

As indicated above, the total exposure to RF radiation at 2-m above ground level will not exceed 0.46% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing. The applicant, in coordination with other users of the transmission facility, shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from radio frequency radiation in excess of the FCC guidelines.

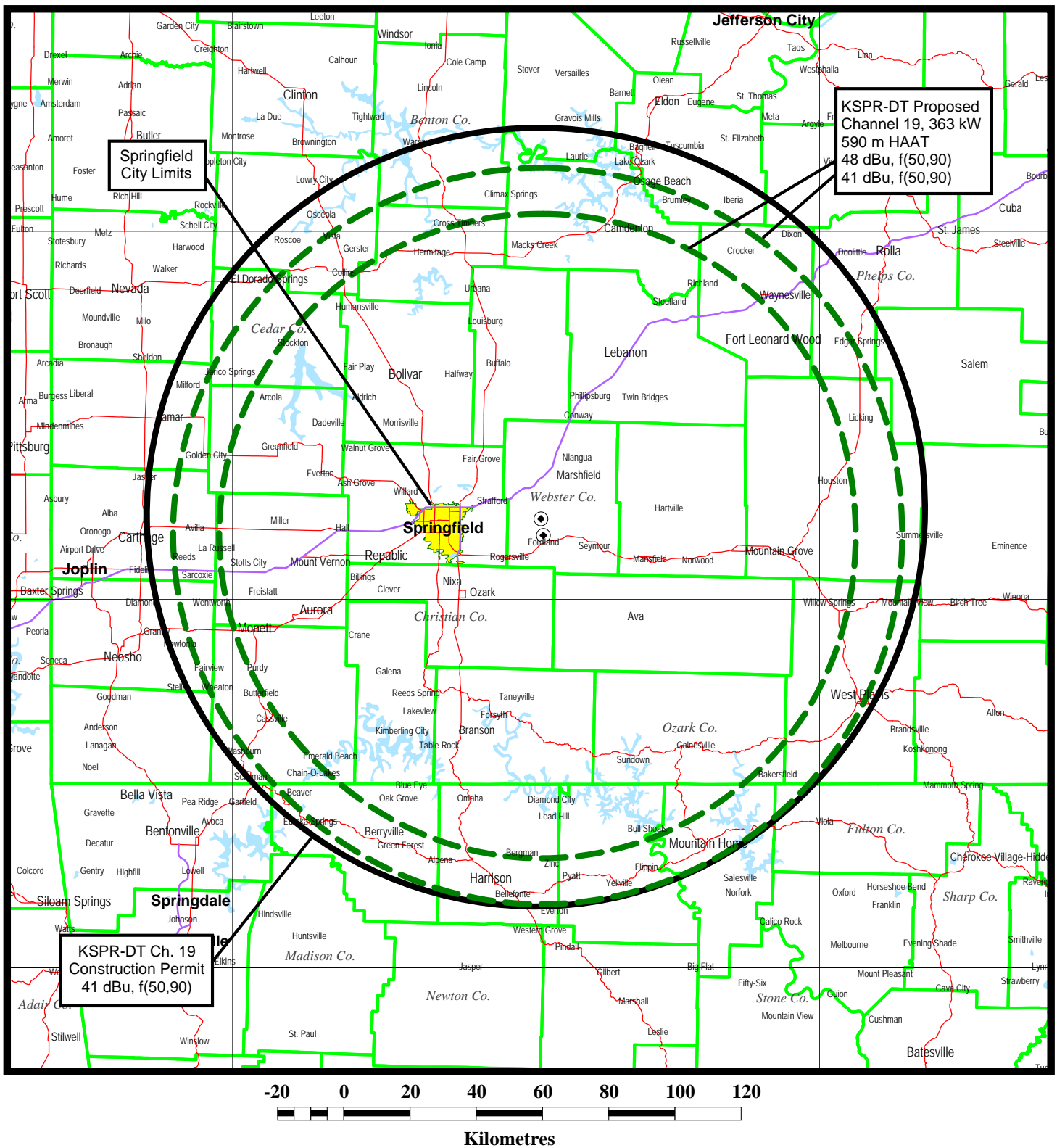


Louis Robert du Treil, Jr.

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, FL 34237

October 4, 2007

** This is a conservative estimate of the relative field factor in the downward direction. See Appendix 2.
†† for general population/uncontrolled environments



PREDICTED COVERAGE CONTOURS

duTreil, Lundin & Rackley, Inc. Sarasota, Florida

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Results of FCC OET-69 Interference Analysis
(Worst Case Scenarios Only)

(fifteen pages follow)

Census data selected 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

KSPRDT USERRECORD-01 SPRINGFIELD MO US
Channel 19 ERP 363. kW HAAT 590. m RCAMSL 01038 m
Latitude 037-10-26 Longitude 0092-56-27
Status APP Zone 2 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits
Channel 19 ERP = 363.00 HAAT = 590.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	363.000	595.8	111.0
45.0	363.000	581.9	110.3
90.0	363.000	547.8	108.3
135.0	363.000	578.2	110.1
180.0	363.000	603.2	111.3
225.0	363.000	595.7	111.0
270.0	363.000	613.4	111.8
315.0	363.000	605.7	111.4

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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
19	KSPRDT	SPRINGFIELD MO	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	224.2	PLN	DTVPLN	-DTVP0292
18	KFSM-TV	FORT SMITH AR	184.7	LIC	BLCDT	-20060530AIM
18	KPOB-TV	POPLAR BLUFF MO	224.8	CP	BPCDT	-19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	224.8	PLN	DTVPLN	-DTVP0312
19	KTEJ	JONESBORO AR	239.8	LIC	BLET	-20060627AAF
19	KCPT	KANSAS CITY MO	251.3	LIC	BMLET	-20041104ATG
19	KQCW	MUSKOGEE OK	300.8	LIC	BLCT	-19990922AAE

20	KNLJ	JEFFERSON CITY MO	185.8	LIC	BLCDDT	-20061219AAX
20	KNLJ-DT	JEFFERSON CITY MO	185.8	PLN	DTVPLN	-DTVP0404
21	KOZK	SPRINGFIELD MO	0.5	LIC	BLET	-20030911AAT
26	KOZJ	JOPLIN MO	141.9	LIC	BLET	-20060427ABK
27	KSFX-TV	SPRINGFIELD MO	5.1	LIC	BLCT	-20050909AFT

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Analysis of Interference to Affected Station 1

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	DTVPLN	-DTVP0292

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KDOR	BARTLESVILLE OK	168.8	PLN	DTVPLN	-NPLN1000
18	KCPT-DT	KANSAS CITY MO	397.1	PLN	DTVPLN	-DTVP0311
18	KPOB-DT	POPLAR BLUFF MO	378.9	PLN	DTVPLN	-DTVP0312
18	KAFU-DT	ENID OK	335.7	PLN	DTVPLN	-DTVP0319
18	KTXA-DT	FORT WORTH TX	404.0	PLN	DTVPLN	-DTVP0329
18	KJTL	WICHITA FALLS TX	424.2	PLN	DTVPLN	-NPLN1033
19	KSPR-DT	SPRINGFIELD MO	227.9	PLN	DTVPLN	-DTVP0359
19	NEW	MUSKOGEE OK	135.8	PLN	DTVPLN	-NPLN1055

Results for: 18A AR FORT SMITH DTVPLN DTVP0292 PLN

	POPULATION	AREA (sq km)
HAAT 384.0 m, ATV ERP 1000.0 kW		
within Noise Limited Contour	698605	38338.7
not affected by terrain losses	637498	32638.0
lost to NTSC IX	8195	323.0
lost to additional IX by ATV	885	28.3
lost to ATV IX only	1728	88.8
lost to all IX	9080	351.2

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
05	KFSMTV	FORT SMITH AR	DTVPLN	-NPLN0338

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	KCTV	KANSAS CITY MO	396.1	PLN	DTVPLN	-NPLN0358
05	KOCOTV	OKLAHOMA CITY OK	283.1	PLN	DTVPLN	-NPLN0373
05	WMCTV	MEMPHIS TN	407.4	PLN	DTVPLN	-NPLN0379
05	KXASTV	FORT WORTH TX	404.0	PLN	DTVPLN	-NPLN0381
06	KEMV	MOUNTAIN VIEW AR	189.9	PLN	DTVPLN	-NPLN0394
06	KOTV	TULSA OK	131.4	PLN	DTVPLN	-NPLN0434

Results for: 5N AR FORT SMITH DTVPLN NPLN0338 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	698605	38338.7
not affected by terrain losses	617322	32302.9
lost to NTSC IX	81202	3472.1
lost to additional IX by ATV	0	0.0
lost to all IX	81202	3472.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	DTVPLN	-DTVP0292

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KDOR-TV	BARTLESVILLE OK	168.8	LIC	BLCT	-19870120LH
18	KCPT	KANSAS CITY MO	397.1	LIC	BLEDT	-20060327AGR
18	KCPT-DT	KANSAS CITY MO	397.1	PLN	DTVPLN	-DTVP0311
18	KPOB-TV	POPLAR BLUFF MO	378.9	CP	BPCDT	-19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	378.9	PLN	DTVPLN	-DTVP0312
18	KAFU-DT	ENID OK	335.7	PLN	DTVPLN	-DTVP0319
18	KTXA	FORT WORTH TX	407.6	LIC	BLCDDT	-20001130ACY
18	KTXA-DT	FORT WORTH TX	404.0	PLN	DTVPLN	-DTVP0329
18	KYTX	NACOGDOCHES TX	406.4	LIC	BLCDDT	-20070810AAO
18	KJTL	WICHITA FALLS TX	424.2	LIC	BLCT	-19850523LJ
19	KSPR-DT	SPRINGFIELD MO	227.9	PLN	DTVPLN	-DTVP0359
19	KQCW	MUSKOGEE OK	133.1	LIC	BLCT	-19990922AAE
19	KSPRDT	SPRINGFIELD MO	224.2	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.
18	KFSM-TV	FORT SMITH AR	BLCDT	-20060530AIM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KDOR-TV	BARTLESVILLE OK	163.6	LIC	BLCT	-19870120LH
18	KCPT	KANSAS CITY MO	362.7	LIC	BLEDT	-20060327AGR
18	KCPT-DT	KANSAS CITY MO	362.7	PLN	DTVPLN	-DTVP0311
18	KPOB-TV	POPLAR BLUFF MO	348.9	CP	BPCDT	-19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	348.9	PLN	DTVPLN	-DTVP0312
18	KAFU-DT	ENID OK	343.3	PLN	DTVPLN	-DTVP0319
19	KSPR-DT	SPRINGFIELD MO	188.3	PLN	DTVPLN	-DTVP0359
19	KQCW	MUSKOGEE OK	148.8	LIC	BLCT	-19990922AAE
19	KSPRDT	SPRINGFIELD MO	184.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1

Scenario 1 Affected station 2

Before Analysis

Results for: 18A AR FORT SMITH BLCDT 20060530AIM LIC

HAAT 286.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	588536	27177.3
not affected by terrain losses	569323	25975.6
lost to NTSC IX	438	32.2
lost to additional IX by ATV	85	16.1
lost to ATV IX only	86	20.1
lost to all IX	523	48.2

Potential Interfering Stations Included in above Scenario 1

19N OK MUSKOGEE	BLCT	19990922AAE	LIC
18A MO KANSAS CITY	BLEDT	20060327AGR	LIC
18A OK ENID	DTVPLN	DTVP0319	PLN
19A MO SPRINGFIELD	DTVPLN	DTVP0359	PLN

After Analysis

Results for: 18A AR FORT SMITH BLCDT 20060530AIM LIC

HAAT 286.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	588536	27177.3
not affected by terrain losses	569323	25975.6
lost to NTSC IX	438	32.2
lost to additional IX by ATV	155	28.1
lost to ATV IX only	156	32.2
lost to all IX	593	60.3

Potential Interfering Stations Included in above Scenario 1

19N OK MUSKOGEE	BLCT	19990922AAE	LIC
18A MO KANSAS CITY	BLEDT	20060327AGR	LIC
18A OK ENID	DTVPLN	DTVP0319	PLN
19A MO SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.0111%

Worst case new IX 0.0111% Scenario 1

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Analysis of Interference to Affected Station 3

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KLEP	NEWARK AR	149.2	PLN	DTVPLN	-NPLN0978
17	WTCT-DT	MARION IL	151.9	PLN	DTVPLN	-DTVP0258
18	KFSM-DT	FORT SMITH AR	378.9	PLN	DTVPLN	-DTVP0292
18	WAND-DT	DECATUR IL	377.6	PLN	DTVPLN	-DTVP0304
18	WKYU-DT	BOWLING GREEN KY	358.0	PLN	DTVPLN	-DTVP0306
18	WMAVTV	OXFORD MS	287.1	PLN	DTVPLN	-NPLN1022
19	KTEJ	JONESBORO AR	103.7	PLN	DTVPLN	-NPLN1039
19	KSPR-DT	SPRINGFIELD MO	226.4	PLN	DTVPLN	-DTVP0359

Results for: 18A MO POPLAR BLUFF DTVPLN DTVP0312 PLN
 HAAT 184.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	128251	10147.2
not affected by terrain losses	127168	10131.1
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

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	KPOBTV	POPLAR BLUFF MO	DTVPLN	-NPLN0926

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KNLC-DT	ST. LOUIS MO	173.6	PLN	DTVPLN	-DTVP0137
14	NEW	MEMPHIS TN	191.7	PLN	DTVPLN	-NPLN0902
15	WOWLTV	FLORENCE AL	344.4	PLN	DTVPLN	-NPLN0912
15	KHOG-DT	FAYETTEVILLE AR	336.3	PLN	DTVPLN	-DTVP0158
15	WSEC-DT	JACKSONVILLE IL	327.1	PLN	DTVPLN	-DTVP0168
15	KMOS-DT	SEDALIA MO	329.0	PLN	DTVPLN	-DTVP0174
15	WXVT	GREENVILLE MS	350.2	PLN	DTVPLN	-NPLN0927
15	WZTV-DT	NASHVILLE TN	328.8	PLN	DTVPLN	-DTVP0192
16	WMTU	JACKSON TN	165.0	PLN	DTVPLN	-NPLN0969
18	KPOB-DT	POPLAR BLUFF MO	0.0	PLN	DTVPLN	-DTVP0312
19	KTEJ	JONESBORO AR	103.7	PLN	DTVPLN	-NPLN1039
22	KBSI-DT	CAPE GIRARDEAU MO	103.6	PLN	DTVPLN	-DTVP0489
23	KBSI	CAPE GIRARDEAU MO	103.6	PLN	DTVPLN	-NPLN1179
29	WKPD	PADUCAH KY	161.4	PLN	DTVPLN	-NPLN1356
30	KDNLTV	ST. LOUIS MO	198.1	PLN	DTVPLN	-NPLN1382
30	WLMT	MEMPHIS TN	191.6	PLN	DTVPLN	-NPLN1392

Results for: 15N MO POPLAR BLUFF DTVPLN NPLN0926 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	128251	10147.2
not affected by terrain losses	125264	10022.5
lost to NTSC IX	74	12.1
lost to additional IX by ATV	14	12.1
lost to all IX	88	24.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KPOB-TV	POPLAR BLUFF MO	BPCDT	-19991019ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WTCT-DT	MARION IL	151.9	PLN	DTVPLN	-DTVP0258
17	WTCT	MARION IL	151.9	CP MOD	BMPCDT	-20011119AAX
17	WTCT	MARION IL	151.9	LIC	BLCDT	-20060629ACN
18	KFSM-DT	FORT SMITH AR	378.9	PLN	DTVPLN	-DTVP0292
18	KFSM-TV	FORT SMITH AR	348.9	LIC	BLCDT	-20060530AIM
18	WAND	DECATUR IL	377.6	LIC	BLCDT	-20020509AAX
18	WAND-DT	DECATUR IL	377.6	PLN	DTVPLN	-DTVP0304
18	WKYU-DT	BOWLING GREEN KY	358.0	PLN	DTVPLN	-DTVP0306
18	WKYU-TV	BOWLING GREEN KY	358.0	LIC	BLEDT	-20040803AAG
18	WMAV-TV	OXFORD MS	287.0	LIC	BMLET	-20030106AAJ
19	KTEJ	JONESBORO AR	103.7	LIC	BLET	-20060627AAF
19	KSPR-DT	SPRINGFIELD MO	226.4	PLN	DTVPLN	-DTVP0359
19	KSPRDT	SPRINGFIELD MO	224.8	APP	USERRECORD-01	

Proposed station is beyond the site to
 nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KPOB-DT	POPLAR BLUFF MO	DTVPLN	-DTVP0312

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WTCT-DT	MARION IL	151.9	PLN	DTVPLN	-DTVP0258
17	WTCT	MARION IL	151.9	CP MOD	BMPCDT	-20011119AAX
17	WTCT	MARION IL	151.9	LIC	BLCDT	-20060629ACN
18	KFSM-DT	FORT SMITH AR	378.9	PLN	DTVPLN	-DTVP0292
18	KFSM-TV	FORT SMITH AR	348.9	LIC	BLCDT	-20060530AIM
18	WAND	DECATUR IL	377.6	LIC	BLCDT	-20020509AAX
18	WAND-DT	DECATUR IL	377.6	PLN	DTVPLN	-DTVP0304
18	WKYU-DT	BOWLING GREEN KY	358.0	PLN	DTVPLN	-DTVP0306
18	WKYU-TV	BOWLING GREEN KY	358.0	LIC	BLEDT	-20040803AAG
18	WMAV-TV	OXFORD MS	287.0	LIC	BMLET	-20030106AAJ
19	KTEJ	JONESBORO AR	103.7	LIC	BLET	-20060627AAF
19	KSPR-DT	SPRINGFIELD MO	226.4	PLN	DTVPLN	-DTVP0359
19	KSPRDT	SPRINGFIELD MO	224.8	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	KTEJ	JONESBORO AR	DTVPLN	-NPLN1039

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KLEP	NEWARK AR	64.0	PLN	DTVPLN	-NPLN0978
18	KPOB-DT	POPLAR BLUFF MO	103.7	PLN	DTVPLN	-DTVP0312
18	WMAVTV	OXFORD MS	203.8	PLN	DTVPLN	-NPLN1022
19	WHNTTV	HUNTSVILLE AL	405.6	PLN	DTVPLN	-NPLN1038
19	WUSI-DT	OLNEY IL	401.0	PLN	DTVPLN	-DTVP0351
19	WLCN	MADISONVILLE KY	334.4	PLN	DTVPLN	-NPLN1043
19	KSPR-DT	SPRINGFIELD MO	243.3	PLN	DTVPLN	-DTVP0359
20	KTEJ-DT	JONESBORO AR	0.0	PLN	DTVPLN	-DTVP0387
27	KLEP-DT	NEWARK AR	64.0	PLN	DTVPLN	-DTVP0663
34	NEW	SENATOBIA MS	144.2	PLN	DTVPLN	-NPLN1476

Results for: 19N AR JONESBORO	DTVPLN	NPLN1039	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	246175	17569.8	
not affected by terrain losses	245700	17497.6	
lost to NTSC IX	885	44.2	
lost to additional IX by ATV	83	16.1	
lost to all IX	968	60.2	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KTEJ	JONESBORO AR	BLET	-20060627AAF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KPOB-TV	POPLAR BLUFF MO	103.7	CP	BPCDT	-19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	103.7	PLN	DTVPLN	-DTVP0312
18	WMAV-TV	OXFORD MS	203.7	LIC	BMLET	-20030106AAJ
19	WHNT-TV	HUNTSVILLE AL	405.6	LIC	BLCT	-20011116ABY
19	WUSI-DT	OLNEY IL	401.0	PLN	DTVPLN	-DTVP0351
19	WAZE-TV	MADISONVILLE KY	334.4	LIC	BLCT	-19921030KF
19	KLTM-TV	MONROE LA	394.7	LIC	BLEDT	-20040818AAF
19	KSPR-DT	SPRINGFIELD MO	243.3	PLN	DTVPLN	-DTVP0359
19	KSPR	SPRINGFIELD MO	243.3	CP MOD	BMPCDT	-20060720ABP
20	KTEJ	JONESBORO AR	0.0	LIC	BLEDT	-20040608AAW
20	KTEJ-DT	JONESBORO AR	0.0	PLN	DTVPLN	-DTVP0387

23	NEW	MEMPHIS TN	71.4	APP	BPRM	-20070724ADE
27	KLEP-DT	NEWARK AR	64.0	PLN	DTVPLN	-DTVP0663
34	960724KL	SENATOBIA MS	136.0	APP	BPET	-19960724KL
34	961001KI	SENATOBIA MS	136.0	APP	BPET	-19961001KI
34	960701KF	SENATOBIA MS	144.2	APP	BPET	-19960701KF
19	KSPRDT	SPRINGFIELD MO	239.8	APP	USERRECORD-01	

Total scenarios = 14

Result key: 5
Scenario 3 Affected station 5
Before Analysis

Results for: 19N AR JONESBORO	BLET	20060627AAF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	246175	17569.8	
not affected by terrain losses	245700	17497.6	
lost to NTSC IX	255	8.0	
lost to additional IX by ATV	123	24.1	
lost to all IX	378	32.1	

Potential Interfering Stations Included in above Scenario 3

34N MS SENATOBIA	BPET	19960724KL	APP
18A MO POPLAR BLUFF	BPCDT	19991019ABN	CP
23A TN MEMPHIS	BPRM	20070724ADE	APP
19A MO SPRINGFIELD	DTVPLN	DTVP0359	PLN

After Analysis

Results for: 19N AR JONESBORO	BLET	20060627AAF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	246175	17569.8	
not affected by terrain losses	245700	17497.6	
lost to NTSC IX	255	8.0	
lost to additional IX by ATV	2417	353.3	
lost to all IX	2672	361.4	

Potential Interfering Stations Included in above Scenario 3

34N MS SENATOBIA	BPET	19960724KL	APP
18A MO POPLAR BLUFF	BPCDT	19991019ABN	CP
23A TN MEMPHIS	BPRM	20070724ADE	APP
19A MO SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.9319%

Worst case new IX 0.9319% Scenario 3

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Analysis of Interference to Affected Station 6

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	KCPT	KANSAS CITY MO	DTVPLN	-NPLN1048

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KMOS-DT	SEDALIA MO	110.7	PLN	DTVPLN	-DTVP0174
16	KTAJ	ST. JOSEPH MO	65.2	PLN	DTVPLN	-NPLN0955
18	KCPT-DT	KANSAS CITY MO	0.0	PLN	DTVPLN	-DTVP0311
19	WHO-DT	DES MOINES IA	311.7	PLN	DTVPLN	-DTVP0349
19	KWCH-DT	HUTCHINSON KS	307.1	PLN	DTVPLN	-DTVP0353
19	KSPR-DT	SPRINGFIELD MO	246.7	PLN	DTVPLN	-DTVP0359
19	KTVG-DT	GRAND ISLAND NE	393.7	PLN	DTVPLN	-DTVP0364
19	NEW	MUSKOGEE OK	387.3	PLN	DTVPLN	-NPLN1055
20	KKFT	FORT SCOTT KS	182.9	PLN	DTVPLN	-NPLN1081
21	KTAJ-DT	ST. JOSEPH MO	65.2	PLN	DTVPLN	-DTVP0444
23	KTWU-DT	TOPEKA KS	110.8	PLN	DTVPLN	-DTVP0525
27	KSNT	TOPEKA KS	112.5	PLN	DTVPLN	-NPLN1303
34	WDAF-DT	KANSAS CITY MO	10.0	PLN	DTVPLN	-DTVP0942

Results for: 19N MO KANSAS CITY	DTVPLN	NPLN1048	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1753135	19171.7	

not affected by terrain losses	1750425	18964.2
lost to NTSC IX	16615	167.6
lost to additional IX by ATV	8838	933.8
lost to all IX	25453	1101.5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KCPT	KANSAS CITY MO	BMLET	-20041104ATG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KMOS-DT	SEDALIA MO	110.7	PLN	DTVPLN	-DTVP0174
16	KTAJ-TV	ST. JOSEPH MO	65.2	LIC	BLCT	-19890215KF
18	KCPT	KANSAS CITY MO	0.0	LIC	BLEDT	-20060327AGR
18	KCPT-DT	KANSAS CITY MO	0.0	PLN	DTVPLN	-DTVP0311
19	WHO-DT	DES MOINES IA	311.7	PLN	DTVPLN	-DTVP0349
19	KWCH-DT	HUTCHINSON KS	307.1	PLN	DTVPLN	-DTVP0353
19	KWCH-TV	HUTCHINSON KS	307.1	LIC	BLCDT	-20050621AAR
19	KSPR-DT	SPRINGFIELD MO	246.7	PLN	DTVPLN	-DTVP0359
19	KSPR	SPRINGFIELD MO	246.7	CP MOD	BMPCDT	-20060720ABP
19	KTVG	GRAND ISLAND NE	393.7	CP	BPCDT	-19991015ABA
19	KTVG-DT	GRAND ISLAND NE	393.7	PLN	DTVPLN	-DTVP0364
19	KQCW	MUSKOGEE OK	388.2	LIC	BLCT	-19990922AAE
21	KTAJ-DT	ST. JOSEPH MO	65.2	PLN	DTVPLN	-DTVP0444
21	KTAJ-TV	ST. JOSEPH MO	7.3	LIC	BLCDT	-20060703AAK
22	NEW	TOPEKA KS	110.8	CP	BNPCT	-20060424ADV
23	KTWU	TOPEKA KS	110.8	LIC	BLEDT	-20030610AAO
23	KTWU-DT	TOPEKA KS	110.8	PLN	DTVPLN	-DTVP0525
27	KSNT	TOPEKA KS	112.5	LIC	BMLCT	-20051103AAQ
27	KSNT	TOPEKA KS	112.5	APP	BSTA	-20051006AAR
34	WDAF-TV	KANSAS CITY MO	10.0	CP	BPCDT	-19991004ABP
34	WDAF-DT	KANSAS CITY MO	10.0	PLN	DTVPLN	-DTVP0942
19	KSPRDT	SPRINGFIELD MO	251.3	APP	USERRECORD-01	

Total scenarios = 4

Result key: 17
Scenario 1 Affected station 6
Before Analysis

Results for: 19N MO KANSAS CITY	BMLET	20041104ATG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1753135	19171.7	
not affected by terrain losses	1750425	18964.2	
lost to NTSC IX	16693	179.6	
lost to additional IX by ATV	8760	921.9	
lost to all IX	25453	1101.5	

Potential Interfering Stations Included in above Scenario 1

16N MO ST. JOSEPH	BLCT	19890215KF	LIC
22N KS TOPEKA	BNPCT	20060424ADV	CP
19A IA DES MOINES	DTVPLN	DTVP0349	PLN
19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
21A MO ST. JOSEPH	DTVPLN	DTVP0444	PLN
23A KS TOPEKA	BLEDT	20030610AAO	LIC
19A MO SPRINGFIELD	DTVPLN	DTVP0359	PLN

After Analysis

Results for: 19N MO KANSAS CITY	BMLET	20041104ATG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1753135	19171.7	
not affected by terrain losses	1750425	18964.2	
lost to NTSC IX	16693	179.6	
lost to additional IX by ATV	17204	1879.7	
lost to all IX	33897	2059.2	

Potential Interfering Stations Included in above Scenario 1

16N MO ST. JOSEPH	BLCT	19890215KF	LIC
22N KS TOPEKA	BNPCT	20060424ADV	CP
19A IA DES MOINES	DTVPLN	DTVP0349	PLN
19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
21A MO ST. JOSEPH	DTVPLN	DTVP0444	PLN
23A KS TOPEKA	BLEDT	20030610AAO	LIC
19A MO SPRINGFIELD	USERRECORD01	APP	

Percent new IX = 0.4817%

Worst case new IX 0.4817% Scenario 1

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Analysis of Interference to Affected Station 7

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	NEW	MUSKOGEE OK	DTVPLN	-NPLN1055

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KDOR-DT	BARTLESVILLE OK	83.5	PLN	DTVPLN	-DTVP0185
17	KDOR	BARTLESVILLE OK	83.5	PLN	DTVPLN	-NPLN1000
18	KFSM-DT	FORT SMITH AR	135.8	PLN	DTVPLN	-DTVP0292
18	KAFU-DT	ENID OK	201.6	PLN	DTVPLN	-DTVP0319
19	KWCH-DT	HUTCHINSON KS	307.4	PLN	DTVPLN	-DTVP0353
19	KCPT	KANSAS CITY MO	387.3	PLN	DTVPLN	-NPLN1048
19	KSPR-DT	SPRINGFIELD MO	303.9	PLN	DTVPLN	-DTVP0359
19	KTVT-DT	FORT WORTH TX	369.1	PLN	DTVPLN	-DTVP0372
20	KAFU	ENID OK	201.6	PLN	DTVPLN	-NPLN1088
21	KHBS-DT	FORT SMITH AR	129.8	PLN	DTVPLN	-DTVP0427
22	KOKI-DT	TULSA OK	31.9	PLN	DTVPLN	-DTVP0500
23	KOKITV	TULSA OK	31.9	PLN	DTVPLN	-NPLN1187
26	KOZJ	JOPLIN MO	186.0	PLN	DTVPLN	-NPLN1280
26	NEW	ENID OK	205.6	PLN	DTVPLN	-NPLN1288
34	NEW	EUREKA SPRINGS AR	194.9	PLN	DTVPLN	-NPLN1467
34	KOCB	OKLAHOMA CITY OK	151.2	PLN	DTVPLN	-NPLN1480

Results for: 19N OK MUSKOGEE	DTVPLN	NPLN1055	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	891975	20746.6	
not affected by terrain losses	890310	20448.9	
lost to NTSC IX	14603	494.7	
lost to additional IX by ATV	6848	430.4	
lost to all IX	21451	925.1	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KQCW	MUSKOGEE OK	BLCT	-19990922AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KDOR-TV	BARTLESVILLE OK	85.0	LIC	BLCDDT	-20061012AAX
15	KDOR-DT	BARTLESVILLE OK	85.0	PLN	DTVPLN	-DTVP0185
17	KDOR-TV	BARTLESVILLE OK	85.0	LIC	BLCT	-19870120LH
18	KFSM-DT	FORT SMITH AR	133.1	PLN	DTVPLN	-DTVP0292
18	KFSM-TV	FORT SMITH AR	148.8	LIC	BLCDDT	-20060530AIM
18	KAFU-DT	ENID OK	204.5	PLN	DTVPLN	-DTVP0319
19	KWCH-DT	HUTCHINSON KS	310.1	PLN	DTVPLN	-DTVP0353
19	KWCH-TV	HUTCHINSON KS	310.1	LIC	BLCDDT	-20050621AAR
19	KCPT	KANSAS CITY MO	388.2	LIC	BMLET	-20041104ATG
19	KSPR-DT	SPRINGFIELD MO	302.8	PLN	DTVPLN	-DTVP0359
19	KSPR	SPRINGFIELD MO	302.8	CP MOD	BMPCDDT	-20060720ABP
19	KTVT	FORT WORTH TX	368.2	LIC	BLCDDT	-20050628ABA
19	KTVT-DT	FORT WORTH TX	368.2	PLN	DTVPLN	-DTVP0372
20	KWBT-TV	MUSKOGEE OK	0.0	APP	BPRM	-19990917ABE
21	KHBS-DT	FORT SMITH AR	126.9	PLN	DTVPLN	-DTVP0427
21	KHBS	FORT SMITH AR	127.0	LIC	BLCDDT	-20031121AMR
22	KOKI-DT	TULSA OK	32.5	PLN	DTVPLN	-DTVP0500
22	KOKI-TV	TULSA OK	32.5	LIC	BLCDDT	-20021127AGL
23	KOKI-TV	TULSA OK	32.5	LIC	BLCT	-20030416AAI
26	KOZJ	JOPLIN MO	185.8	LIC	BLET	-20060427ABK
26	970331SF	ENID OK	172.2	APP	BPET	-19970331SF
26	NEW	TULSA OK	36.9	APP	BPRM	-20000717AEZ
26	960930KG	TULSA OK	47.3	APP	BPET	-19960930KG
26	960621KE	TULSA OK	35.0	APP	BPET	-19960621KE
34	KPBI	EUREKA SPRINGS AR	181.6	LIC	BLCT	-20050124AFT
34	KOCB	OKLAHOMA CITY OK	153.8	CP	BPCT	-20020722AAF
19	KSPRDT	SPRINGFIELD MO	300.8	APP	USERRECORD-01	

Total scenarios = 12

Result key: 25
 Scenario 5 Affected station 7
 Before Analysis

Results for: 19N OK MUSKOGEE BLCT 19990922AAE LIC
 POPULATION AREA (sq km)
 within Noise Limited Contour 895001 20655.2
 not affected by terrain losses 890979 20244.8
 lost to NTSC IX 37827 796.6
 lost to additional IX by ATV 2991 301.7
 lost to all IX 40818 1098.3

Potential Interfering Stations Included in above Scenario 5

17N OK BARTLESVILLE	BLCT	19870120LH	LIC
23N OK TULSA	BLCT	20030416AAI	LIC
26N OK TULSA	BPET	19960930KG	APP
34N OK OKLAHOMA CITY	BPCT	20020722AAF	CP
18A AR FORT SMITH	DTVPLN	DTVP0292	PLN
19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A TX FORT WORTH	BLCDDT	20050628ABA	LIC
22A OK TULSA	BLCDDT	20021127AGL	LIC

After Analysis

Results for: 19N OK MUSKOGEE BLCT 19990922AAE LIC
 POPULATION AREA (sq km)
 within Noise Limited Contour 895001 20655.2
 not affected by terrain losses 890979 20244.8
 lost to NTSC IX 37827 796.6
 lost to additional IX by ATV 5183 418.4
 lost to all IX 43010 1215.0

Potential Interfering Stations Included in above Scenario 5

17N OK BARTLESVILLE	BLCT	19870120LH	LIC
23N OK TULSA	BLCT	20030416AAI	LIC
26N OK TULSA	BPET	19960930KG	APP
34N OK OKLAHOMA CITY	BPCT	20020722AAF	CP
18A AR FORT SMITH	DTVPLN	DTVP0292	PLN
19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A TX FORT WORTH	BLCDDT	20050628ABA	LIC
22A OK TULSA	BLCDDT	20021127AGL	LIC
19A MO SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.2449%

Worst case new IX 0.2449% Scenario 5

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Analysis of Interference to Affected Station 8

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
20	KNLJ-DT	JEFFERSON CITY MO	DTVPLN	-DTVP0404

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KCPD	KANSAS CITY MO	211.1	PLN	DTVPLN	-NPLN1048
19	KSPR-DT	SPRINGFIELD MO	181.5	PLN	DTVPLN	-DTVP0359
20	KTEJ-DT	JONESBORO AR	332.4	PLN	DTVPLN	-DTVP0387
20	KWKB	IOWA CITY IA	342.7	PLN	DTVPLN	-NPLN1076
20	WICS	SPRINGFIELD IL	257.1	PLN	DTVPLN	-NPLN1079
20	KKFT	FORT SCOTT KS	264.9	PLN	DTVPLN	-NPLN1081
20	WLCN-DT	MADISONVILLE KY	424.3	PLN	DTVPLN	-DTVP0397
21	WMEC-DT	MACOMB IL	221.3	PLN	DTVPLN	-DTVP0436
21	KOZK	SPRINGFIELD MO	181.5	PLN	DTVPLN	-NPLN1113

Results for: 20A MO JEFFERSON CITY DTVPLN DTVP0404 PLN

HAAT 314.0 m, ATV ERP 56.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	328746	16369.0
not affected by terrain losses	327911	16300.7
lost to NTSC IX	1915	132.5
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0

lost to all IX 1915 132.5

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
25	KNLJ	JEFFERSON CITY MO	DTVPLN	-NPLN1250

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KMIZ	COLUMBIA MO	41.3	PLN	DTVPLN	-NPLN0989
22	KMIZ-DT	COLUMBIA MO	41.3	PLN	DTVPLN	-DTVP0490
24	KNLC	ST. LOUIS MO	139.2	PLN	DTVPLN	-NPLN1214
25	KWKB-DT	IOWA CITY IA	342.7	PLN	DTVPLN	-DTVP0601
25	WEEKTV	PEORIA IL	305.1	PLN	DTVPLN	-NPLN1243
25	WEHT	EVANSVILLE IN	405.3	PLN	DTVPLN	-NPLN1244
25	KOZJ-DT	JOPLIN MO	280.7	PLN	DTVPLN	-DTVP0606
26	KPLR-DT	ST. LOUIS MO	156.6	PLN	DTVPLN	-DTVP0642
32	KCWB	KANSAS CITY MO	204.3	PLN	DTVPLN	-NPLN1432

Results for: 25N MO JEFFERSON CITY DTVPLN NPLN1250 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	328291	16348.9
not affected by terrain losses	326077	16156.2
lost to NTSC IX	2207	285.1
lost to additional IX by ATV	185	4.0
lost to all IX	2392	289.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KNLJ	JEFFERSON CITY MO	BLCDDT	-20061219AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KCPT	KANSAS CITY MO	211.1	LIC	BMLET	-20041104ATG
19	KSPR-DT	SPRINGFIELD MO	181.5	PLN	DTVPLN	-DTVP0359
20	KTEJ	JONESBORO AR	332.4	LIC	BLEDT	-20040608AAW
20	KTEJ-DT	JONESBORO AR	332.4	PLN	DTVPLN	-DTVP0387
20	KWKB	IOWA CITY IA	341.5	LIC	BLCT	-20010613AIG
20	WICS	SPRINGFIELD IL	257.1	LIC	BLCT	-2187
20	WAZE-TV	MADISONVILLE KY	424.3	CP	BPCDDT	-19991101AHC
20	WLCN-DT	MADISONVILLE KY	424.3	PLN	DTVPLN	-DTVP0397
20	WAZE-TV	MADISONVILLE KY	427.6	APP	BMPCDDT	-20040329AKL
21	WMEC	MACOMB IL	221.3	LIC	BLEDT	-20031031ADO
21	WMEC-DT	MACOMB IL	221.3	PLN	DTVPLN	-DTVP0436
21	WPXS	MOUNT VERNON IL	219.4	APP	BMPCDDT	-20070413AGE
21	WPXS	MOUNT VERNON IL	219.4	CP MOD	BMPCDDT	-20070108AAP
21	KOZK	SPRINGFIELD MO	186.2	LIC	BLET	-20030911AAT
21	KTAJ-TV	ST. JOSEPH MO	212.8	LIC	BLCDDT	-20060703AAK
19	KSPRDT	SPRINGFIELD MO	185.8	APP	USERRECORD-01	

Total scenarios = 2

Result key: 33

Scenario 1 Affected station 8
Before Analysis

Results for: 20A MO JEFFERSON CITY BLCDDT 20061219AAX LIC

	POPULATION	AREA (sq km)
HAAT 293.0 m, ATV ERP 1000.0 kW		
within Noise Limited Contour	474363	25719.7
not affected by terrain losses	468237	25418.5
lost to NTSC IX	577	88.3
lost to additional IX by ATV	203	8.0
lost to ATV IX only	211	12.0
lost to all IX	780	96.4

Potential Interfering Stations Included in above Scenario 1

20N IA IOWA CITY	BLCT	20010613AIG	LIC
20N IL SPRINGFIELD	BLCT	2187	LIC
20A AR JONESBORO	BLEDT	20040608AAW	LIC
19A MO SPRINGFIELD	DTVPLN	DTVP0359	PLN

After Analysis

Results for: 20A MO JEFFERSON CITY BLCDDT 20061219AAX LIC

	POPULATION	AREA (sq km)
HAAT 293.0 m, ATV ERP 1000.0 kW		

within Noise Limited Contour	474363	25719.7
not affected by terrain losses	468237	25418.5
lost to NTSC IX	577	88.3
lost to additional IX by ATV	261	12.0
lost to ATV IX only	269	16.1
lost to all IX	838	100.4

Potential Interfering Stations Included in above Scenario 1

20N IA IOWA CITY	BLCT	20010613AIG	LIC
20N IL SPRINGFIELD	BLCT	2187	LIC
20A AR JONESBORO	BLEDT	20040608AAW	LIC
19A MO SPRINGFIELD	USERRECORD01		APP

Percent new IX = 0.0178%

Worst case new IX 0.0178% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KNLJ-DT	JEFFERSON CITY MO	DTVPLN	-DTVP0404

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KCPT	KANSAS CITY MO	211.1	LIC	BMLET	-20041104ATG
19	KSPR-DT	SPRINGFIELD MO	181.5	PLN	DTVPLN	-DTVP0359
20	KTEJ	JONESBORO AR	332.4	LIC	BLEDT	-20040608AAW
20	KTEJ-DT	JONESBORO AR	332.4	PLN	DTVPLN	-DTVP0387
20	KWKB	IOWA CITY IA	341.5	LIC	BLCT	-20010613AIG
20	WICS	SPRINGFIELD IL	257.1	LIC	BLCT	-2187
20	WAZE-TV	MADISONVILLE KY	424.3	CP	BPCDT	-19991101AHC
20	WLCN-DT	MADISONVILLE KY	424.3	PLN	DTVPLN	-DTVP0397
20	WAZE-TV	MADISONVILLE KY	427.6	APP	BMPCDT	-20040329AKL
21	WMEC	MACOMB IL	221.3	LIC	BLEDT	-20031031ADO
21	WMEC-DT	MACOMB IL	221.3	PLN	DTVPLN	-DTVP0436
21	WPXS	MOUNT VERNON IL	219.3	APP	BMPCDT	-20070413AGE
21	WPXS	MOUNT VERNON IL	219.3	CP MOD	BMPCDT	-20070108AAP
21	KOZK	SPRINGFIELD MO	186.2	LIC	BLET	-20030911AAT
21	KTAJ-TV	ST. JOSEPH MO	212.8	LIC	BLCDT	-20060703AAK
19	KSPRDT	SPRINGFIELD MO	185.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
21	KOZK	SPRINGFIELD MO	DTVPLN	-NPLN1113

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KSPR-DT	SPRINGFIELD MO	0.0	PLN	DTVPLN	-DTVP0359
20	KKFT	FORT SCOTT KS	153.1	PLN	DTVPLN	-NPLN1081
20	KNLJ-DT	JEFFERSON CITY MO	181.5	PLN	DTVPLN	-DTVP0404
21	KHBS-DT	FORT SMITH AR	284.8	PLN	DTVPLN	-DTVP0427
21	WMEC-DT	MACOMB IL	402.1	PLN	DTVPLN	-DTVP0436
21	WCEE-DT	MOUNT VERNON IL	382.6	PLN	DTVPLN	-DTVP0437
21	WKMU	MURRAY KY	396.2	PLN	DTVPLN	-NPLN1109
21	KTAJ-DT	ST. JOSEPH MO	309.0	PLN	DTVPLN	-DTVP0444
21	NEW	CLARKSDALE MS	399.6	PLN	DTVPLN	-NPLN1114
22	KMIZ-DT	COLUMBIA MO	176.3	PLN	DTVPLN	-DTVP0490
23	KOZK-DT	SPRINGFIELD MO	0.0	PLN	DTVPLN	-DTVP0528
25	KOZJ-DT	JOPLIN MO	141.5	PLN	DTVPLN	-DTVP0606
28	KDEB-DT	SPRINGFIELD MO	3.0	PLN	DTVPLN	-DTVP0716

Results for: 21N MO SPRINGFIELD	DTVPLN	NPLN1113	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	507756	27363.7	
not affected by terrain losses	496485	26508.5	

lost to NTSC IX	8874	411.6
lost to additional IX by ATV	1301	203.8
lost to all IX	10175	615.5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	KOZK	SPRINGFIELD MO	BLET	-20030911AAT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KFJX	PITTSBURG KS	156.3	LIC	BLCT	-20031027AAC
19	KSPR-DT	SPRINGFIELD MO	5.5	PLN	DTVPLN	-DTVP0359
19	KSPR	SPRINGFIELD MO	5.5	CP MOD	BMPCDT	-20060720ABP
20	KNLJ	JEFFERSON CITY MO	186.2	LIC	BLCDT	-20061219AAX
20	KNLJ-DT	JEFFERSON CITY MO	186.2	PLN	DTVPLN	-DTVP0404
21	KHBS-DT	FORT SMITH AR	280.6	PLN	DTVPLN	-DTVP0427
21	KHBS	FORT SMITH AR	280.6	LIC	BLCDT	-20031121AMR
21	WMEC	MACOMB IL	406.7	LIC	BLEDT	-20031031ADO
21	WMEC-DT	MACOMB IL	406.7	PLN	DTVPLN	-DTVP0436
21	WCEE-DT	MOUNT VERNON IL	384.2	PLN	DTVPLN	-DTVP0437
21	WPXS	MOUNT VERNON IL	341.1	APP	BMPCDT	-20070413AGE
21	WPXS	MOUNT VERNON IL	341.1	CP MOD	BMPCDT	-20070108AAP
21	WKMU	MURRAY KY	395.0	LIC	BLET	-19830812KO
21	KTAJ-DT	ST. JOSEPH MO	314.2	PLN	DTVPLN	-DTVP0444
21	KTAJ-TV	ST. JOSEPH MO	247.6	LIC	BLCDT	-20060703AAK
21	960919KK	CLARKSDALE MS	394.6	APP	BPET	-19960919KK
21	970331SD	CLARKSDALE MS	379.1	APP	BPET	-19970331SD
22	KMIZ-DT	COLUMBIA MO	181.6	PLN	DTVPLN	-DTVP0490
23	KOZK	SPRINGFIELD MO	0.0	LIC	BLEDT	-20030911AAS
23	KOZK-DT	SPRINGFIELD MO	5.5	PLN	DTVPLN	-DTVP0528
25	KOZJ-DT	JOPLIN MO	141.7	PLN	DTVPLN	-DTVP0606
25	KOZJ	JOPLIN MO	141.8	LIC	BLEDT	-20060620ABP
28	960711LJ	RUSSELLVILLE AR	201.4	APP	BPET	-19960711LJ
28	KSFX-TV	SPRINGFIELD MO	5.5	CP MOD	BMPCDT	-20070116AAC
28	KDEB-DT	SPRINGFIELD MO	2.8	PLN	DTVPLN	-DTVP0716
36	960920YX	JEFFERSON CITY MO	200.0	APP	BPET	-19960920YX
19	KSPRDT	SPRINGFIELD MO	0.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
26	KOZJ	JOPLIN MO	DTVPLN	-NPLN1280

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KSPR-DT	SPRINGFIELD MO	141.5	PLN	DTVPLN	-DTVP0359
19	NEW	MUSKOGEE OK	186.0	PLN	DTVPLN	-NPLN1055
23	KOZK-DT	SPRINGFIELD MO	141.5	PLN	DTVPLN	-DTVP0528
25	KOZJ-DT	JOPLIN MO	0.0	PLN	DTVPLN	-DTVP0606
26	KVTH	HOT SPRINGS AR	329.2	PLN	DTVPLN	-NPLN1265
26	KSAS-DT	WICHITA KS	279.3	PLN	DTVPLN	-DTVP0637
26	KPLR-DT	ST. LOUIS MO	405.6	PLN	DTVPLN	-DTVP0642
26	KTEN-DT	ADA OK	352.9	PLN	DTVPLN	-DTVP0649
26	NEW	ENID OK	313.3	PLN	DTVPLN	-NPLN1288
27	KPOM-DT	FORT SMITH AR	156.0	PLN	DTVPLN	-DTVP0662
27	KDEBT	SPRINGFIELD MO	142.5	PLN	DTVPLN	-NPLN1308
29	KHOGTV	FAYETTEVILLE AR	124.7	PLN	DTVPLN	-NPLN1349
30	KOAM-DT	PITTSBURG KS	22.0	PLN	DTVPLN	-DTVP0787
33	KSPR	SPRINGFIELD MO	141.5	PLN	DTVPLN	-NPLN1452
34	NEW	EUREKA SPRINGS AR	111.3	PLN	DTVPLN	-NPLN1467
40	KKFT-DT	FORT SCOTT KS	42.2	PLN	DTVPLN	-DTVP1124
41	KSHBT	KANSAS CITY MO	221.9	PLN	DTVPLN	-NPLN1605
41	KTFO	TULSA OK	154.3	PLN	DTVPLN	-NPLN1608

Results for: 26N MO JOPLIN

	DTVPLN	NPLN1280	PLN
POPULATION	302279	14633.0	
within Noise Limited Contour	300372	14564.9	
not affected by terrain losses	847	148.1	
lost to NTSC IX	21	20.0	
lost to additional IX by ATV	868	168.1	
lost to all IX			

Analysis of current record
Channel Call City/State Application Ref. No.
26 KOZJ JOPLIN MO BLET -20060427ABK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KSPR-DT	SPRINGFIELD MO	141.6	PLN	DTVPLN	-DTVP0359
19	KSPR	SPRINGFIELD MO	141.6	CP MOD	BMPCDT	-20060720ABP
19	KQCW	MUSKOGEE OK	185.8	LIC	BLCT	-19990922AAE
23	KOZK	SPRINGFIELD MO	141.8	LIC	BLEDT	-20030911AAS
23	KOZK-DT	SPRINGFIELD MO	141.6	PLN	DTVPLN	-DTVP0528
25	KOZJ-DT	JOPLIN MO	0.1	PLN	DTVPLN	-DTVP0606
25	KOZJ	JOPLIN MO	0.0	LIC	BLEDT	-20060620ABP
26	KVTH	HOT SPRINGS AR	329.3	LIC	BMLCT	-20040325AAV
26	KSAS-TV	WICHITA KS	273.7	LIC	BLCDDT	-20021120AAN
26	KSAS-DT	WICHITA KS	279.2	PLN	DTVPLN	-DTVP0637
26	KPLR-TV	ST. LOUIS MO	405.5	LIC	BLCDDT	-20030812ABY
26	KPLR-DT	ST. LOUIS MO	405.7	PLN	DTVPLN	-DTVP0642
26	KTEN	ADA OK	352.9	CP	BPCDDT	-19991007AAW
26	KTEN-DT	ADA OK	352.9	PLN	DTVPLN	-DTVP0649
26	960920IQ	ENID OK	313.2	APP	BPET	-19960920IQ
26	970331SF	ENID OK	307.2	APP	BPET	-19970331SF
26	NEW	TULSA OK	155.2	APP	BPRM	-20000717AEZ
26	960930KG	TULSA OK	165.6	APP	BPET	-19960930KG
26	960621KE	TULSA OK	170.8	APP	BPET	-19960621KE
27	KFTA-TV	FORT SMITH AR	156.1	APP	BMPCDDT	-20040803ABV
27	KPOM-DT	FORT SMITH AR	156.1	PLN	DTVPLN	-DTVP0662
27	KFTA-TV	FORT SMITH AR	156.1	CP	BPCDDT	-19991028AEE
27	KSFX-TV	SPRINGFIELD MO	141.6	LIC	BLCT	-20050909AFT
28	KSFX-TV	SPRINGFIELD MO	141.6	CP MOD	BMPCDDT	-20070116AAC
29	KHOG-TV	FAYETTEVILLE AR	124.7	LIC	BLCT	-19980109KF
30	KOAM-DT	PITTSBURG KS	21.9	PLN	DTVPLN	-DTVP0787
33	KSPR	SPRINGFIELD MO	141.6	LIC	BLCT	-19861020KF
34	KPBI	EUREKA SPRINGS AR	90.4	LIC	BLCT	-20050124AFT
40	KKFT-DT	FORT SCOTT KS	42.1	PLN	DTVPLN	-DTVP1124
41	KSHB-TV	KANSAS CITY MO	211.3	LIC	BLCT	-20050420AAT
41	KMYT-TV	TULSA OK	154.3	LIC	BLCT	-19810323KF
19	KSPRDT	SPRINGFIELD MO	141.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

NTSC Baseline Analysis
Channel Call City/State Application Ref. No.
27 KDEBT SPRINGFIELD MO DTVPLN -NPLN1308

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KSPR-DT	SPRINGFIELD MO	3.0	PLN	DTVPLN	-DTVP0359
20	KKFT	FORT SCOTT KS	154.9	PLN	DTVPLN	-NPLN1081
23	KOZK-DT	SPRINGFIELD MO	3.0	PLN	DTVPLN	-DTVP0528
26	KOZJ	JOPLIN MO	142.5	PLN	DTVPLN	-NPLN1280
27	KPOM-DT	FORT SMITH AR	196.9	PLN	DTVPLN	-DTVP0662
27	KLEP-DT	NEWARK AR	210.9	PLN	DTVPLN	-DTVP0663
27	WTCT	MARION IL	347.8	PLN	DTVPLN	-NPLN1300
27	WQEC	QUINCY IL	340.2	PLN	DTVPLN	-NPLN1301
27	KSNT	TOPEKA KS	326.4	PLN	DTVPLN	-NPLN1303
28	KDEB-DT	SPRINGFIELD MO	0.0	PLN	DTVPLN	-DTVP0716
31	NEW	HARRISON AR	108.8	PLN	DTVPLN	-NPLN1399
34	NEW	EUREKA SPRINGS AR	124.5	PLN	DTVPLN	-NPLN1467

Results for: 27N MO SPRINGFIELD DTVPLN NPLN1308 PLN
POPULATION AREA (sq km)
within Noise Limited Contour 504736 27458.7
not affected by terrain losses 497499 26771.1
lost to NTSC IX 16808 1203.2
lost to additional IX by ATV 3386 283.8
lost to all IX 20194 1487.1

Analysis of current record
Channel Call City/State Application Ref. No.
27 KSFX-TV SPRINGFIELD MO BLCT -20050909AFT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KSPR-DT	SPRINGFIELD MO	0.0	PLN	DTVPLN	-DTVP0359
19	KSPR	SPRINGFIELD MO	0.0	CP MOD	BMPCDT	-20060720ABP
23	KOZK	SPRINGFIELD MO	5.5	LIC	BLEDT	-20030911AAS
23	KOZK-DT	SPRINGFIELD MO	0.0	PLN	DTVPLN	-DTVP0528
25	KOZJ-DT	JOPLIN MO	141.5	PLN	DTVPLN	-DTVP0606
25	KOZJ	JOPLIN MO	141.6	LIC	BLEDT	-20060620ABP
26	KOZJ	JOPLIN MO	141.6	LIC	BLET	-20060427ABK
27	KFTA-TV	FORT SMITH AR	198.5	APP	BMPCDT	-20040803ABV
27	KPOM-DT	FORT SMITH AR	198.5	PLN	DTVPLN	-DTVP0662
27	KFTA-TV	FORT SMITH AR	198.5	CP	BPCDT	-19991028AEE
27	KLEP-DT	NEWARK AR	213.8	PLN	DTVPLN	-DTVP0663
27	WTCT	MARION IL	348.7	LIC	BLCT	-19881003KG
27	WQEC	QUINCY IL	338.1	LIC	BMLET	-20010509AAV
27	KSNT	TOPEKA KS	323.7	LIC	BMLCT	-20051103AAQ
27	KSNT	TOPEKA KS	323.7	APP	BSTA	-20051006AAR
28	960711LJ	RUSSELLVILLE AR	206.8	APP	BPET	-19960711LJ
28	KSFY-TV	SPRINGFIELD MO	0.0	CP MOD	BMPCDT	-20070116AAC
28	KDEB-DT	SPRINGFIELD MO	3.0	PLN	DTVPLN	-DTVP0716
31	KWBM	HARRISON AR	58.0	LIC	BLCT	-20010102AAZ
34	KPBI	EUREKA SPRINGS AR	126.7	LIC	BLCT	-20050124AFT
19	KSPRDT	SPRINGFIELD MO	5.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 13

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	KSPR-DT	SPRINGFIELD MO	DTVPLN	-DTVP0359

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	227.9	PLN	DTVPLN	-DTVP0292
18	KPOB-DT	POPLAR BLUFF MO	226.4	PLN	DTVPLN	-DTVP0312
19	KTEJ	JONESBORO AR	243.3	PLN	DTVPLN	-NPLN1039
19	KCPT	KANSAS CITY MO	246.7	PLN	DTVPLN	-NPLN1048
19	NEW	MUSKOGEE OK	303.9	PLN	DTVPLN	-NPLN1055
20	KKFT	FORT SCOTT KS	153.1	PLN	DTVPLN	-NPLN1081
20	KNLJ-DT	JEFFERSON CITY MO	181.5	PLN	DTVPLN	-DTVP0404

Results for: 19A MO SPRINGFIELD DTVPLN DTVP0359 PLN
 HAAT 596.0 m, ATV ERP 163.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	528144	28080.3
not affected by terrain losses	525978	27740.6
lost to NTSC IX	2920	351.7
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	2920	351.7

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
33	KSPR	SPRINGFIELD MO	DTVPLN	-NPLN1452

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	KOZJ-DT	JOPLIN MO	141.5	PLN	DTVPLN	-DTVP0606
26	KOZJ	JOPLIN MO	141.5	PLN	DTVPLN	-NPLN1280
31	NEW	HARRISON AR	111.2	PLN	DTVPLN	-NPLN1399
33	KTVO-DT	KIRKSVILLE MO	370.6	PLN	DTVPLN	-DTVP0907
34	NEW	EUREKA SPRINGS AR	125.9	PLN	DTVPLN	-NPLN1467

Results for: 33N MO SPRINGFIELD DTVPLN NPLN1452 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	527974	28072.3
not affected by terrain losses	518653	27117.1
lost to NTSC IX	738	63.9
lost to additional IX by ATV	1682	139.9
lost to all IX	2420	203.8

Analysis of current record

Channel Call City/State Application Ref. No.
19 KSPRDT SPRINGFIELD MO USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	KFSM-DT	FORT SMITH AR	224.2	PLN	DTVPLN -DTVP0292
18	KFSM-TV	FORT SMITH AR	184.7	LIC	BLCDDT -20060530AIM
18	KPOB-TV	POPLAR BLUFF MO	224.8	CP	BPCDDT -19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	224.8	PLN	DTVPLN -DTVP0312
19	KTEJ	JONESBORO AR	239.8	LIC	BLET -20060627AAF
19	KCPT	KANSAS CITY MO	251.3	LIC	BMLET -20041104ATG
19	KQCW	MUSKOGEE OK	300.8	LIC	BLCT -19990922AAE
20	KNLJ	JEFFERSON CITY MO	185.8	LIC	BLCDDT -20061219AAX
20	KNLJ-DT	JEFFERSON CITY MO	185.8	PLN	DTVPLN -DTVP0404

Total scenarios = 1

Result key: 35
Scenario 1 Affected station 13
Before Analysis

Results for: 19A MO SPRINGFIELD USERRECORD01 APP
HAAT 590.0 m, ATV ERP 363.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	697883	41083.8
not affected by terrain losses	684924	40484.0
lost to NTSC IX	10080	567.9
lost to additional IX by ATV	113	28.0
lost to ATV IX only	187	32.0
lost to all IX	10193	595.9

Potential Interfering Stations Included in above Scenario 1

19N AR JONESBORO	BLET	20060627AAF	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
18A AR FORT SMITH	BLCDDT	20060530AIM	LIC
20A MO JEFFERSON CITY	BLCDDT	20061219AAX	LIC

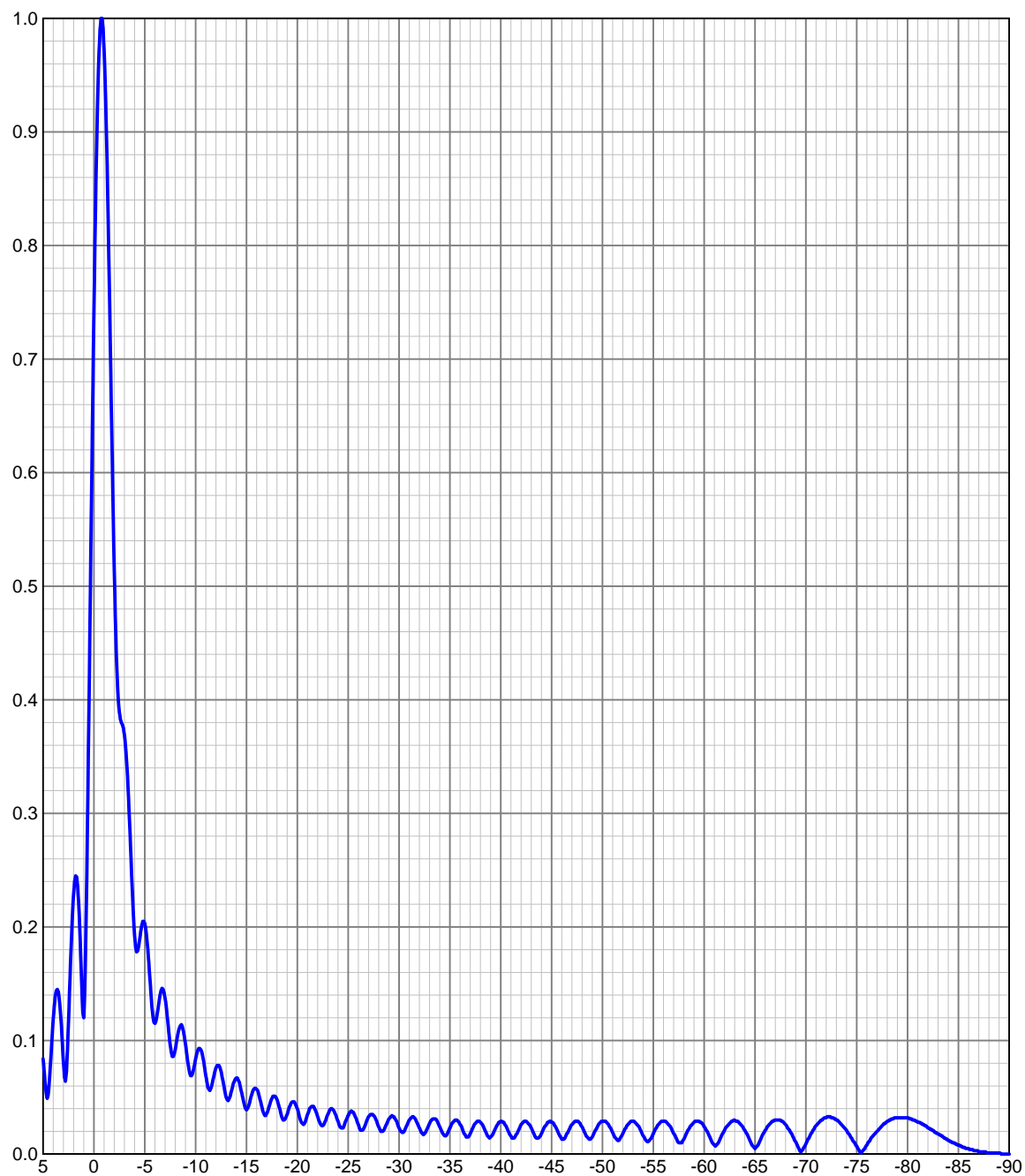
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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
TELEVISION STATION KSPR-DT
SPRINGFIELD, MISSOURI
CHANNEL 19 363 KW 590 M

Transmitting Antenna Manufacturer's Elevation Pattern Data

(two pages follow)

ELEVATION PATTERN**Type:****ATW30H3H****Channel:****19****Directivity:****Numeric****dBd****Location:****Main Lobe:****30.00****14.77****Beam Tilt:****-0.75****Horizontal:****16.52****12.18****Polarization:****Horizontal****Relative Field**

TABULATED DATA FOR ELEVATION PATTERN

Type: ATW30H3H
PolarizationHorizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.084	-21.51	-6.75	0.145	-16.74	-27.00	0.033	-29.63	-50.50
4.75	0.058	-24.66	-7.00	0.137	-17.27	-27.50	0.034	-29.37	-51.00
4.50	0.052	-25.68	-7.25	0.117	-18.60	-28.00	0.024	-32.40	-51.50
4.25	0.082	-21.67	-7.50	0.096	-20.35	-28.50	0.021	-33.56	-52.00
4.00	0.119	-18.49	-7.75	0.086	-21.31	-29.00	0.031	-30.17	-52.50
3.75	0.142	-16.98	-8.00	0.092	-20.72	-29.50	0.033	-29.63	-53.00
3.50	0.143	-16.89	-8.25	0.105	-19.53	-30.00	0.023	-32.77	-53.50
3.25	0.119	-18.45	-8.50	0.113	-18.94	-30.50	0.020	-33.98	-54.00
3.00	0.081	-21.83	-8.75	0.110	-19.17	-31.00	0.030	-30.46	-54.50
2.75	0.069	-23.29	-9.00	0.097	-20.26	-31.50	0.032	-29.90	-55.00
2.50	0.116	-18.71	-9.25	0.080	-21.94	-32.00	0.023	-32.77	-55.50
2.25	0.180	-14.89	-9.50	0.069	-23.22	-32.50	0.018	-34.89	-56.00
2.00	0.229	-12.80	-9.75	0.073	-22.73	-33.00	0.027	-31.37	-56.50
1.75	0.244	-12.23	-10.00	0.084	-21.51	-33.50	0.031	-30.17	-57.00
1.50	0.221	-13.11	-10.50	0.092	-20.72	-34.00	0.024	-32.40	-57.50
1.25	0.161	-15.84	-11.00	0.069	-23.22	-34.50	0.016	-35.92	-58.00
1.00	0.120	-18.42	-11.50	0.058	-24.73	-35.00	0.023	-32.77	-58.50
0.75	0.217	-13.25	-12.00	0.076	-22.38	-35.50	0.030	-30.46	-59.00
0.50	0.385	-8.29	-12.50	0.073	-22.73	-36.00	0.026	-31.70	-59.50
0.25	0.570	-4.89	-13.00	0.050	-26.02	-36.50	0.017	-35.39	-60.00
0.00	0.742	-2.59	-13.50	0.055	-25.19	-37.00	0.018	-34.89	-60.50
-0.25	0.879	-1.12	-14.00	0.067	-23.48	-37.50	0.027	-31.37	-61.00
-0.50	0.970	-0.26	-14.50	0.055	-25.19	-38.00	0.028	-31.06	-61.50
-0.75	1.000	0.00	-15.00	0.039	-28.18	-38.50	0.020	-33.98	-62.00
-1.00	0.972	-0.25	-15.50	0.052	-25.68	-39.00	0.015	-36.48	-62.50
-1.25	0.891	-1.01	-16.00	0.057	-24.88	-39.50	0.023	-32.77	-63.00
-1.50	0.772	-2.25	-16.50	0.042	-27.54	-40.00	0.029	-30.75	-63.50
-1.75	0.637	-3.91	-17.00	0.036	-28.87	-40.50	0.025	-32.04	-64.00
-2.00	0.514	-5.78	-17.50	0.049	-26.20	-41.00	0.016	-35.92	-64.50
-2.25	0.428	-7.36	-18.00	0.048	-26.38	-41.50	0.017	-35.39	-65.00
-2.50	0.389	-8.20	-18.50	0.032	-29.90	-42.00	0.026	-31.70	-65.50
-2.75	0.379	-8.43	-19.00	0.035	-29.12	-42.50	0.029	-30.75	-66.00
-3.00	0.369	-8.66	-19.50	0.046	-26.74	-43.00	0.023	-32.77	-66.50
-3.25	0.341	-9.36	-20.00	0.040	-27.96	-43.50	0.014	-37.08	-67.00
-3.50	0.293	-10.66	-20.50	0.027	-31.37	-44.00	0.018	-34.89	-67.50
-3.75	0.237	-12.51	-21.00	0.035	-29.12	-44.50	0.026	-31.70	-68.00
-4.00	0.192	-14.33	-21.50	0.042	-27.54	-45.00	0.028	-31.06	-68.50
-4.25	0.178	-14.97	-22.00	0.033	-29.63	-45.50	0.022	-33.15	-69.00
-4.50	0.189	-14.47	-22.50	0.025	-32.04	-46.00	0.013	-37.72	-69.50
-4.75	0.203	-13.85	-23.00	0.035	-29.12	-46.50	0.018	-34.89	-70.00
-5.00	0.203	-13.85	-23.50	0.039	-28.18	-47.00	0.026	-31.70	-70.50
-5.25	0.185	-14.66	-24.00	0.029	-30.75	-47.50	0.029	-30.75	-71.00
-5.50	0.155	-16.19	-24.50	0.023	-32.77	-48.00	0.024	-32.40	-71.50
-5.75	0.126	-18.03	-25.00	0.034	-29.37	-48.50	0.015	-36.48	-72.00
-6.00	0.115	-18.79	-25.50	0.037	-28.64	-49.00	0.015	-36.48	-72.50
-6.25	0.125	-18.06	-26.00	0.026	-31.70	-49.50	0.024	-32.40	-73.00
-6.50	0.140	-17.08	-26.50	0.022	-33.15	-50.00	0.029	-30.75	-73.50