

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-11-2002 Time: 11:32:20

Record Selected for Analysis

KFSM-DT BMPCDT -20020502AAF FORT SMITH AR US
 Channel 18 ERP 1000. kW HAAT 00286 m RCAMSL 00778 m
 Latitude 035-49-49 Longitude 0094-09-24
 Status APP Zone 2 Border
 Last update 00000000 Cutoff date 00230323 Docket
 Comments
 Applicant NEW YORK TIMES MANAGEMENT SERVICES

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	1000.000	295.0	96.2
45.0	1000.000	275.5	93.5
90.0	1000.000	161.9	80.1
135.0	1000.000	241.8	88.0
180.0	1000.000	291.5	95.8
225.0	1000.000	403.0	106.4
270.0	1000.000	302.1	97.1
315.0	1000.000	311.8	98.2

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KFSM-DT 18 FORT SMITH AR BMPCDT 20020502AAF

and station

SHORT TO: KFSM-DT 18 FORT SMITH AR DTVPLN DTVP0278
 35-30-43 94-21-38
 Req. separation 223.7 Actual separation 39.9 Short 183.8 km

SHORT TO: KFSM-DT 18 FORT SMITH AR BPCDT 19990920AAJ
 035-30-43 0094-21-38

Req. separation 223.7 Actual separation 39.9 Short 183.8 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

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	Call	City/State	ARN	
18	KFSM-DT	FORT SMITH AR	BMPCDT	20020502AAF

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KDOR	BARTLESVILLE OK	163.6	LIC	BLCT	-19870120LH
18	KCPT-DT	KANSAS CITY MO	362.7	PLN	DTVPLN	-DTVP0295
18	KCPT	KANSAS CITY MO	362.7	CP	BPEDT	-20000426ABT
18	KPOB-DT	POPLAR BLUFF MO	348.9	CP	BPCDT	-19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	348.9	PLN	DTVPLN	-DTVP0296
18	KAFU-DT	ENID OK	343.3	PLN	DTVPLN	-DTVP0303
19	KSPR-DT	SPRINGFIELD MO	188.3	CP	BPCDT	-19991029ADI
19	KSPR-DT	SPRINGFIELD MO	188.3	PLN	DTVPLN	-DTVP0342
19	KWBT	MUSKOGEE OK	148.8	LIC	BLCT	-19990922AAE

Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
17	KDOR	BARTLESVILLE OK	DTVPLN	-NPLN1245

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KDOR-DT	BARTLESVILLE OK	0.0	PLN	DTVPLN	-DTVP0177
16	KOCO-DT	OKLAHOMA CITY OK	187.5	PLN	DTVPLN	-DTVP0227
17	KLEP	NEWARK AR	398.2	PLN	DTVPLN	-NPLN0040
17	KAAS-DT	SALINA KS	320.8	PLN	DTVPLN	-DTVP0250
18	KFSM-DT	FORT SMITH AR	168.8	PLN	DTVPLN	-DTVP0278
18	KAFU-DT	ENID OK	190.2	PLN	DTVPLN	-DTVP0303
24	KPOMTV	FORT SMITH AR	171.8	PLN	DTVPLN	-NPLN0052
25	KOZJ-DT	JOPLIN MO	126.2	PLN	DTVPLN	-DTVP0571

16	KSNF	JOPLIN MO	124.7	PLN	DTVPLN	-NPLN0856
17	KMIZ	COLUMBIA MO	378.1	PLN	DTVPLN	-NPLN0861
19	NEW	MUSKOGEE OK	83.5	PLN	DTVPLN	-NPLN1248

Results for: 17N OK BARTLESVILLE DTVPLN NPLN1245 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	802415	16893.4
not affected by terrain losses	801845	16796.6
lost to NTSC IX	19700	895.7
lost to additional IX by ATV	0	0.0
lost to all IX	19700	895.7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	KDOR	BARTLESVILLE OK	BLCT	-19870120LH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	960920YM	PITTSBURG KS	122.5	APP	BPCT	-19960920YM
14	960920WW	PITTSBURG KS	122.5	APP	BPCT	-19960920WW
15	KDOR-DT	BARTLESVILLE OK	0.0	CP	BPCDT	-19991013ABN
15	KDOR-DT	BARTLESVILLE OK	0.0	PLN	DTVPLN	-DTVP0177
16	KSNF	JOPLIN MO	124.7	LIC	BLCT	-19811027KE
16	KOCO-DT	OKLAHOMA CITY OK	187.5	PLN	DTVPLN	-DTVP0227
17	KLEP	NEWARK AR	398.2	LIC	BLET	-19850624KE
17	KAAS-DT	SALINA KS	320.8	CP	BPCDT	-19991018ABF
17	KAAS-DT	SALINA KS	320.8	PLN	DTVPLN	-DTVP0250
17	KMIZ	COLUMBIA MO	378.1	LIC	BLCT	-19930930KR
18	KFSM-DT	FORT SMITH AR	163.6	APP	BMPCDT	-20020502AAF
18	KFSM-DT	FORT SMITH AR	168.8	PLN	DTVPLN	-DTVP0278
18	KAFU-DT	ENID OK	190.2	PLN	DTVPLN	-DTVP0303
19	KWBT	MUSKOGEE OK	85.0	LIC	BLCT	-19990922AAE
20	KWBT	MUSKOGEE OK	85.0	APP	BPRM	-20000413AAI
20	KWBT-TV	MUSKOGEE OK	85.0	APP	BPRM	-19990917ABE
24	KPOM-TV	FORT SMITH AR	171.8	LIC	BLCT	-19781025KF
25	KOZJ-DT	JOPLIN MO	126.1	CP	BPEDT	-20000414AAZ
25	KOZJ-DT	JOPLIN MO	126.2	PLN	DTVPLN	-DTVP0571
32	KDOR-TV	BARTLESVILLE OK	0.0	APP	BPRM	-20000731AAF

Proposal causes no interference

#####

Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KCPT-DT	KANSAS CITY MO	DTVPLN	-DTVP0295

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	397.1	PLN	DTVPLN	-DTVP0278
18	KAFU-DT	ENID OK	417.2	PLN	DTVPLN	-DTVP0303
18	NEW	CARROLL IA	331.1	PLN	DTVPLN	-NPLN0450
18	KLJBTV	DAVENPORT IA	427.8	PLN	DTVPLN	-NPLN0451
18	KAAS-TV	SALINA KS	250.8	PLN	DTVPLN	-NPLN0542
17	KMIZ	COLUMBIA MO	169.9	PLN	DTVPLN	-NPLN0861
19	KCPT	KANSAS CITY MO	0.0	PLN	DTVPLN	-NPLN0865

Results for: 18A MO KANSAS CITY DTVPLN DTVP0295 PLN

HAAT 357.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1753135	19171.7
not affected by terrain losses	1752835	19131.8
lost to NTSC IX	1621	63.9
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	1621	63.9

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	KCPT	KANSAS CITY MO	DTVPLN	-NPLN0865

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KMOS-DT	SEDALIA MO	110.7	PLN	DTVPLN	-DTVP0166
18	KCPT-DT	KANSAS CITY MO	0.0	PLN	DTVPLN	-DTVP0295
19	WHO-DT	DES MOINES IA	311.7	PLN	DTVPLN	-DTVP0332
19	KWCH-DT	HUTCHINSON KS	307.1	PLN	DTVPLN	-DTVP0336
19	KSPR-DT	SPRINGFIELD MO	246.7	PLN	DTVPLN	-DTVP0342
19	KTVG-DT	GRAND ISLAND NE	393.7	PLN	DTVPLN	-DTVP0347
21	KTAJ-DT	ST. JOSEPH MO	65.2	PLN	DTVPLN	-DTVP0421
23	KTWU-DT	TOPEKA KS	110.8	PLN	DTVPLN	-DTVP0495
34	WDAF-DT	KANSAS CITY MO	10.0	PLN	DTVPLN	-DTVP0889
20	KKFT	FORT SCOTT KS	182.9	PLN	DTVPLN	-NPLN0546
27	KSNT	TOPEKA KS	112.5	PLN	DTVPLN	-NPLN0562
16	KTAJ	ST. JOSEPH MO	65.2	PLN	DTVPLN	-NPLN0857
19	NEW	MUSKOGEE OK	387.3	PLN	DTVPLN	-NPLN1248

Results for: 19N MO KANSAS CITY DTVPLN NPLN0865 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.
18	KCPT-DT	KANSAS CITY MO	DTVPLN	-DTVP0295

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KMIZ	COLUMBIA MO	169.9	LIC	BLCT	-19930930KR
18	KFSM-DT	FORT SMITH AR	362.7	APP	BMPCDT	-20020502AAF
18	KFSM-DT	FORT SMITH AR	397.1	PLN	DTVPLN	-DTVP0278
18	960912KE	CARROLL IA	331.1	APP	BPET	-19960912KE
18	KLJB-TV	DAVENPORT IA	428.2	CP	BPCT	-19990429KQ
18	951211KI	EDWARDSVILLE IL	359.9	APP	BPET	-19951211KI
18	KAAS-TV	SALINA KS	250.8	LIC	BLCT	-19880408KF
18	KAFU-DT	ENID OK	417.2	PLN	DTVPLN	-DTVP0303
19	KCPT	KANSAS CITY MO	0.0	LIC	BLET	-19861022KY

Proposal causes no interference

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	KCPT	KANSAS CITY MO	BPEDT -20000426ABT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	KMIZ	COLUMBIA MO	169.9	LIC	BLCT -19930930KR
18	KFSM-DT	FORT SMITH AR	362.7	APP	BMPCDT -20020502AAF
18	KFSM-DT	FORT SMITH AR	397.1	PLN	DTVPLN -DTVP0278
18	960912KE	CARROLL IA	331.1	APP	BPET -19960912KE
18	KLJB-TV	DAVENPORT IA	428.2	CP	BPCT -19990429KQ
18	951211KI	EDWARDSVILLE IL	359.9	APP	BPET -19951211KI
18	KAAS-TV	SALINA KS	250.8	LIC	BLCT -19880408KF
18	KAFU-DT	ENID OK	417.2	PLN	DTVPLN -DTVP0303
19	KCPT	KANSAS CITY MO	0.0	LIC	BLET -19861022KY

Proposal causes no interference

#####

Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
18	KPOB-DT	POPLAR BLUFF MO	DTVPLN -DTVP0296

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	KLEP	NEWARK AR	149.2	PLN	DTVPLN -NPLN0040
17	WTCT-DT	MARION IL	151.9	PLN	DTVPLN -DTVP0247
18	KFSM-DT	FORT SMITH AR	378.9	PLN	DTVPLN -DTVP0278
18	WAND-DT	DECATUR IL	377.6	PLN	DTVPLN -DTVP0288
18	WKYU-DT	BOWLING GREEN KY	358.0	PLN	DTVPLN -DTVP0290
19	KTEJ	JONESBORO AR	103.7	PLN	DTVPLN -NPLN0044
19	KSPR-DT	SPRINGFIELD MO	226.4	PLN	DTVPLN -DTVP0342
18	WMAVTV	OXFORD MS	287.1	PLN	DTVPLN -NPLN0863

Results for: 18A MO POPLAR BLUFF DTVPLN DTVP0296 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 -NPLN0854

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 -DTVP0129
15	WOWLTV	FLORENCE AL	344.4	PLN	DTVPLN -NPLN0033
15	KHOG-DT	FAYETTEVILLE AR	336.3	PLN	DTVPLN -DTVP0150
15	WSEC-DT	JACKSONVILLE IL	327.1	PLN	DTVPLN -DTVP0160
15	KMOS-DT	SEDALIA MO	329.0	PLN	DTVPLN -DTVP0166
15	WZTV-DT	NASHVILLE TN	328.8	PLN	DTVPLN -DTVP0183
18	KPOB-DT	POPLAR BLUFF MO	0.0	PLN	DTVPLN -DTVP0296

19	KTEJ	JONESBORO AR	103.7	PLN	DTVPLN	-NPLN0044
22	KBSI-DT	CAPE GIRARDEAU MO	103.6	PLN	DTVPLN	-DTVP0461
29	WKPD	PADUCAH KY	161.4	PLN	DTVPLN	-NPLN0655
15	WXVT	GREENVILLE MS	350.2	PLN	DTVPLN	-NPLN0855
23	KBSI	CAPE GIRARDEAU MO	103.6	PLN	DTVPLN	-NPLN0871
30	KDNLTV	ST. LOUIS MO	198.1	PLN	DTVPLN	-NPLN0883
16	WMTU	JACKSON TN	165.0	PLN	DTVPLN	-NPLN1350
14	NEW	MEMPHIS TN	191.7	PLN	DTVPLN	-NPLN1441
30	WLMT	MEMPHIS TN	191.6	PLN	DTVPLN	-NPLN1467

Results for: 15N MO POPLAR BLUFF DTVPLN NPLN0854 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-DT	POPLAR BLUFF MO	BPCDT	-19991019ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KLEP	NEWARK AR	149.2	LIC	BLET	-19850624KE
17	WTCT	MARION IL	151.9	CP MOD	BMPCDT	-20011119AAX
17	WTCT-DT	MARION IL	151.9	PLN	DTVPLN	-DTVP0247
18	KFSM-DT	FORT SMITH AR	348.9	APP	BMPCDT	-20020502AAF
18	KFSM-DT	FORT SMITH AR	378.9	PLN	DTVPLN	-DTVP0278
18	WAND-DT	DECATUR IL	377.6	CP	BPCDT	-19991101AHB
18	WAND-DT	DECATUR IL	377.6	PLN	DTVPLN	-DTVP0288
18	951211KI	EDWARDSVILLE IL	186.9	APP	BPET	-19951211KI
18	WKYU-DT	BOWLING GREEN KY	358.0	PLN	DTVPLN	-DTVP0290
18	WMAV-TV	OXFORD MS	287.0	LIC	BLET	-20001011ABP
19	KTEJ	JONESBORO AR	103.7	LIC	BLET	-402
19	KSPR-DT	SPRINGFIELD MO	226.4	CP	BPCDT	-19991029ADI
19	KSPR-DT	SPRINGFIELD MO	226.4	PLN	DTVPLN	-DTVP0342

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KPOB-DT	POPLAR BLUFF MO	DTVPLN	-DTVP0296

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KLEP	NEWARK AR	149.2	LIC	BLET	-19850624KE
17	WTCT	MARION IL	151.9	CP MOD	BMPCDT	-20011119AAX
17	WTCT-DT	MARION IL	151.9	PLN	DTVPLN	-DTVP0247
18	KFSM-DT	FORT SMITH AR	348.9	APP	BMPCDT	-20020502AAF
18	KFSM-DT	FORT SMITH AR	378.9	PLN	DTVPLN	-DTVP0278
18	WAND-DT	DECATUR IL	377.6	CP	BPCDT	-19991101AHB
18	WAND-DT	DECATUR IL	377.6	PLN	DTVPLN	-DTVP0288
18	951211KI	EDWARDSVILLE IL	186.9	APP	BPET	-19951211KI
18	WKYU-DT	BOWLING GREEN KY	358.0	PLN	DTVPLN	-DTVP0290
18	WMAV-TV	OXFORD MS	287.0	LIC	BLET	-20001011ABP

19	KTEJ	JONESBORO AR	103.7	LIC	BLET	-402
19	KSPR-DT	SPRINGFIELD MO	226.4	CP	BPCDT	-19991029ADI
19	KSPR-DT	SPRINGFIELD MO	226.4	PLN	DTVPLN	-DTVP0342

Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KAFU-DT	ENID OK	DTVPLN	-DTVP0303

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	335.7	PLN	DTVPLN	-DTVP0278
18	KUPK-DT	GARDEN CITY KS	278.2	PLN	DTVPLN	-DTVP0289
18	KCPT-DT	KANSAS CITY MO	417.2	PLN	DTVPLN	-DTVP0295
19	KWCH-DT	HUTCHINSON KS	176.5	PLN	DTVPLN	-DTVP0336
18	KAAS-TV	SALINA KS	295.5	PLN	DTVPLN	-NPLN0542
17	KDOR	BARTLESVILLE OK	190.2	PLN	DTVPLN	-NPLN1245
19	NEW	MUSKOGEE OK	201.6	PLN	DTVPLN	-NPLN1248
18	KJTL	WICHITA FALLS TX	263.8	PLN	DTVPLN	-NPLN1553

Results for: 18A OK ENID DTVPLN DTVP0303 PLN

HAAT 136.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	71376	7093.6
not affected by terrain losses	71376	7093.6
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.
20	KAFU	ENID OK	DTVPLN	-NPLN1250

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KOCO-DT	OKLAHOMA CITY OK	108.0	PLN	DTVPLN	-DTVP0227
18	KAFU-DT	ENID OK	0.0	PLN	DTVPLN	-DTVP0303
19	KWCH-DT	HUTCHINSON KS	176.5	PLN	DTVPLN	-DTVP0336
20	KBSH-DT	HAYS KS	296.0	PLN	DTVPLN	-DTVP0375
20	KXII-DT	SHERMAN TX	289.3	PLN	DTVPLN	-DTVP0398
21	KAKE-DT	WICHITA KS	148.9	PLN	DTVPLN	-DTVP0416
24	KOKH-DT	OKLAHOMA CITY OK	109.4	PLN	DTVPLN	-DTVP0547
27	KFOR-DT	OKLAHOMA CITY OK	107.4	PLN	DTVPLN	-DTVP0645
20	KKFT	FORT SCOTT KS	307.1	PLN	DTVPLN	-NPLN0546
19	NEW	MUSKOGEE OK	201.6	PLN	DTVPLN	-NPLN1248
34	KOCB	OKLAHOMA CITY OK	108.4	PLN	DTVPLN	-NPLN1274
35	KRSCTV	CLAREMORE OK	204.8	PLN	DTVPLN	-NPLN1276
35	NEW	WOODWARD OK	140.7	PLN	DTVPLN	-NPLN1277

Results for: 20N OK ENID DTVPLN NPLN1250 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	71376	7093.6
not affected by terrain losses	71376	7093.6
lost to NTSC IX	0	0.0

lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	KAFU-DT	ENID OK	DTVPLN -DTVP0303

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	KDOR	BARTLESVILLE OK	190.2	LIC	BLCT -19870120LH
18	KFSM-DT	FORT SMITH AR	343.3	APP	BMPCDT -20020502AAF
18	KFSM-DT	FORT SMITH AR	335.7	PLN	DTVPLN -DTVP0278
18	KUPK-DT	GARDEN CITY KS	278.2	CP	BPCDT -19991025ADQ
18	KUPK-DT	GARDEN CITY KS	278.2	PLN	DTVPLN -DTVP0289
18	KAAS-TV	SALINA KS	295.5	LIC	BLCT -19880408KF
18	KCPT-DT	KANSAS CITY MO	417.2	PLN	DTVPLN -DTVP0295
18	KCPT	KANSAS CITY MO	417.2	CP	BPEDT -20000426ABT
18	KJTL	WICHITA FALLS TX	263.8	LIC	BLCT -19850523LJ
19	KWCH-DT	HUTCHINSON KS	176.5	CP	BPCDT -19991015ABN
19	KWCH-DT	HUTCHINSON KS	176.5	PLN	DTVPLN -DTVP0336
19	KWBT	MUSKOGEE OK	204.5	LIC	BLCT -19990922AAE

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
19	KSPR-DT	SPRINGFIELD MO	DTVPLN -DTVP0342

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 -DTVP0278
18	KPOB-DT	POPLAR BLUFF MO	226.4	PLN	DTVPLN -DTVP0296
19	KTEJ	JONESBORO AR	243.3	PLN	DTVPLN -NPLN0044
20	KNLJ-DT	JEFFERSON CITY MO	181.5	PLN	DTVPLN -DTVP0383
20	KKFT	FORT SCOTT KS	153.1	PLN	DTVPLN -NPLN0546
19	KCPT	KANSAS CITY MO	246.7	PLN	DTVPLN -NPLN0865
19	NEW	MUSKOGEE OK	303.9	PLN	DTVPLN -NPLN1248

Results for: 19A MO SPRINGFIELD DTVPLN DTVP0342 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 -NPLN0888

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	KOZJ-DT	JOPLIN MO	141.5	PLN	DTVPLN -DTVP0571

31	NEW	HARRISON AR	111.2	PLN	DTVPLN	-NPLN0063
33	KTVO-DT	KIRKSVILLE MO	370.6	PLN	DTVPLN	-DTVP0855
34	NEW	EUREKA SPRINGS AR	125.9	PLN	DTVPLN	-NPLN0068
26	KOZJ	JOPLIN MO	141.5	PLN	DTVPLN	-NPLN0878

Results for: 33N MO SPRINGFIELD DTVPLN NPLN0888 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	KSPR-DT	SPRINGFIELD MO	BPCDT	-19991029ADI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	188.3	APP	BMPCDT	-20020502AAF
18	KFSM-DT	FORT SMITH AR	227.9	PLN	DTVPLN	-DTVP0278
18	KPOB-DT	POPLAR BLUFF MO	226.4	CP	BPCDT	-19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	226.4	PLN	DTVPLN	-DTVP0296
19	KTEJ	JONESBORO AR	243.3	LIC	BLET	-402
19	KCPT	KANSAS CITY MO	246.7	LIC	BLET	-19861022KY
19	KWBT	MUSKOGEE OK	302.8	LIC	BLCT	-19990922AAE
20	KNLJ	JEFFERSON CITY MO	181.5	CP	BPCDT	-19991028AFN
20	KNLJ-DT	JEFFERSON CITY MO	181.5	PLN	DTVPLN	-DTVP0383

Total scenarios = 2

Result key: 1
 Scenario 1 Affected station 7
 Before Analysis

Results for: 19A MO SPRINGFIELD BPCDT 19991029ADI CP

HAAT 596.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	782830	48585.1
not affected by terrain losses	768315	47733.9
lost to NTSC IX	10645	763.3
lost to additional IX by ATV	458	79.9
lost to ATV IX only	730	103.9
lost to all IX	11103	843.3

Potential Interferring Stations Included in above Scenario 1

19N AR JONESBORO	BLET	402	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
20A MO JEFFERSON CITY	BPCDT	19991028AFN	CP

After Analysis

Results for: 19A MO SPRINGFIELD BPCDT 19991029ADI CP

HAAT 596.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	782830	48585.1
not affected by terrain losses	768315	47733.9
lost to NTSC IX	10645	763.3
lost to additional IX by ATV	460	83.9

lost to ATV IX only	1236	131.9
lost to all IX	11105	847.3

Potential Interferring Stations Included in above Scenario 1

19N AR JONESBORO	BLET	402	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
20A MO JEFFERSON CITY	BPCDT	19991028AFN	CP
18A AR FORT SMITH	BMPCDT	20020502AAF	APP

Result key: 2
 Scenario 2 Affected station 7
 Before Analysis

Results for: 19A MO SPRINGFIELD BPCDT 19991029ADI CP
 HAAT 596.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	782830	48585.1
not affected by terrain losses	768315	47733.9
lost to NTSC IX	10645	763.3
lost to additional IX by ATV	0	0.0
lost to ATV IX only	50	8.0
lost to all IX	10645	763.3

Potential Interferring Stations Included in above Scenario 2

19N AR JONESBORO	BLET	402	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
20A MO JEFFERSON CITY	DTVPLN	DTVP0383	PLN

After Analysis

Results for: 19A MO SPRINGFIELD BPCDT 19991029ADI CP
 HAAT 596.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	782830	48585.1
not affected by terrain losses	768315	47733.9
lost to NTSC IX	10645	763.3
lost to additional IX by ATV	2	4.0
lost to ATV IX only	556	36.0
lost to all IX	10647	767.3

Potential Interferring Stations Included in above Scenario 2

19N AR JONESBORO	BLET	402	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
20A MO JEFFERSON CITY	DTVPLN	DTVP0383	PLN
18A AR FORT SMITH	BMPCDT	20020502AAF	APP

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KSPR-DT	SPRINGFIELD MO	DTVPLN	-DTVP0342

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	188.3	APP	BMPCDT	-20020502AAF
18	KFSM-DT	FORT SMITH AR	227.9	PLN	DTVPLN	-DTVP0278
18	KPOB-DT	POPLAR BLUFF MO	226.4	CP	BPCDT	-19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	226.4	PLN	DTVPLN	-DTVP0296
19	KTEJ	JONESBORO AR	243.3	LIC	BLET	-402
19	KCPT	KANSAS CITY MO	246.7	LIC	BLET	-19861022KY
19	KWBT	MUSKOGEE OK	302.8	LIC	BLCT	-19990922AAE
20	KNLJ	JEFFERSON CITY MO	181.5	CP	BPCDT	-19991028AFN
20	KNLJ-DT	JEFFERSON CITY MO	181.5	PLN	DTVPLN	-DTVP0383

Proposal causes no interference

#####

Analysis of Interference to Affected Station 9

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	NEW	MUSKOGEE OK	DTVPLN	-NPLN1248

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KDOR-DT	BARTLESVILLE OK	83.5	PLN	DTVPLN	-DTVP0177
18	KFSM-DT	FORT SMITH AR	135.8	PLN	DTVPLN	-DTVP0278
18	KAFU-DT	ENID OK	201.6	PLN	DTVPLN	-DTVP0303
19	KWCH-DT	HUTCHINSON KS	307.4	PLN	DTVPLN	-DTVP0336
19	KSPR-DT	SPRINGFIELD MO	303.9	PLN	DTVPLN	-DTVP0342
19	KTVT-DT	FORT WORTH TX	369.1	PLN	DTVPLN	-DTVP0354
21	KHBS-DT	FORT SMITH AR	129.8	PLN	DTVPLN	-DTVP0405
22	KOKI-DT	TULSA OK	31.9	PLN	DTVPLN	-DTVP0472
34	NEW	EUREKA SPRINGS AR	194.9	PLN	DTVPLN	-NPLN0068
19	KCPT	KANSAS CITY MO	387.3	PLN	DTVPLN	-NPLN0865
26	KOZJ	JOPLIN MO	186.0	PLN	DTVPLN	-NPLN0878
17	KDOR	BARTLESVILLE OK	83.5	PLN	DTVPLN	-NPLN1245
20	KAFU	ENID OK	201.6	PLN	DTVPLN	-NPLN1250
23	KOKITV	TULSA OK	31.9	PLN	DTVPLN	-NPLN1255
26	NEW	ENID OK	205.6	PLN	DTVPLN	-NPLN1261
34	KOCB	OKLAHOMA CITY OK	151.2	PLN	DTVPLN	-NPLN1274

Results for: 19N OK MUSKOGEE	DTVPLN	NPLN1248	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	KWBT	MUSKOGEE OK	BLCT	-19990922AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KDOR-DT	BARTLESVILLE OK	85.0	CP	BPCDT	-19991013ABN
15	KDOR-DT	BARTLESVILLE OK	85.0	PLN	DTVPLN	-DTVP0177
17	KDOR	BARTLESVILLE OK	85.0	LIC	BLCT	-19870120LH
18	KFSM-DT	FORT SMITH AR	148.8	APP	BMPCDT	-20020502AAF
18	KFSM-DT	FORT SMITH AR	133.1	PLN	DTVPLN	-DTVP0278

18	KAFU-DT	ENID OK	204.5	PLN	DTVPLN	-DTVP0303
19	KWCH-DT	HUTCHINSON KS	310.1	CP	BPCDT	-19991015ABN
19	KWCH-DT	HUTCHINSON KS	310.1	PLN	DTVPLN	-DTVP0336
19	KCPT	KANSAS CITY MO	388.2	LIC	BLET	-19861022KY
19	KSPR-DT	SPRINGFIELD MO	302.8	CP	BPCDT	-19991029ADI
19	KSPR-DT	SPRINGFIELD MO	302.8	PLN	DTVPLN	-DTVP0342
19	KTVT-DT	FORT WORTH TX	368.2	PLN	DTVPLN	-DTVP0354
20	KWBT	MUSKOGEE OK	0.0	APP	BPRM	-20000413AAI
20	KWBT-TV	MUSKOGEE OK	0.0	APP	BPRM	-19990917ABE
21	KHBS-DT	FORT SMITH AR	127.0	CP	BPCDT	-19991101AEE
21	KHBS-DT	FORT SMITH AR	126.9	PLN	DTVPLN	-DTVP0405
22	KOKI-DT	TULSA OK	32.5	PLN	DTVPLN	-DTVP0472
22	KOKI-DT	TULSA OK	32.5	CP	BPCDT	-19991020ABQ
23	KOKI-TV	TULSA OK	32.5	LIC	BLCT	-19801029KG
26	KOZJ	JOPLIN MO	185.8	LIC	BLET	-19860623KI
26	970331SF	ENID OK	172.2	APP	BPET	-19970331SF
26	NEW	TULSA OK	36.9	APP	BPRM	-20000717AEZ
34	KWBS-TV	EUREKA SPRINGS AR	181.4	CP	BPCT	-20010927AAQ
34	KOCB	OKLAHOMA CITY OK	153.3	CP	BPCT	-19960621KH

Proposal causes no interference

#####

Analysis of Interference to Affected Station 10

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KFSM-DT	FORT SMITH AR	DTVPLN	-DTVP0278

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KCPT-DT	KANSAS CITY MO	397.1	PLN	DTVPLN	-DTVP0295
18	KPOB-DT	POPLAR BLUFF MO	378.9	PLN	DTVPLN	-DTVP0296
18	KAFU-DT	ENID OK	335.7	PLN	DTVPLN	-DTVP0303
18	KTXA-DT	FORT WORTH TX	404.0	PLN	DTVPLN	-DTVP0313
19	KSPR-DT	SPRINGFIELD MO	227.9	PLN	DTVPLN	-DTVP0342
17	KDOR	BARTLESVILLE OK	168.8	PLN	DTVPLN	-NPLN1245
19	NEW	MUSKOGEE OK	135.8	PLN	DTVPLN	-NPLN1248
18	KJTL	WICHITA FALLS TX	424.2	PLN	DTVPLN	-NPLN1553

Results for: 18A AR FORT SMITH DTVPLN DTVP0278 PLN

HAAT 384.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
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	-NPLN0010

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
06	KEMV	MOUNTAIN VIEW AR	189.9	PLN	DTVPLN	-NPLN0013
05	KCTV	KANSAS CITY MO	396.1	PLN	DTVPLN	-NPLN0817
05	KOCOTV	OKLAHOMA CITY OK	283.1	PLN	DTVPLN	-NPLN1211

06	KOTV	TULSA OK	131.4	PLN	DTVPLN	-NPLN1213
05	WMCTV	MEMPHIS TN	407.4	PLN	DTVPLN	-NPLN1416
05	KXASTV	FORT WORTH TX	404.0	PLN	DTVPLN	-NPLN1418

Results for: 5N AR FORT SMITH DTVPLN NPLN0010 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	BMPCDT	-20020502AAF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KDOR	BARTLESVILLE OK	163.6	LIC	BLCT	-19870120LH
18	KCPT-DT	KANSAS CITY MO	362.7	PLN	DTVPLN	-DTVP0295
18	KCPT	KANSAS CITY MO	362.7	CP	BPEDT	-20000426ABT
18	KPOB-DT	POPLAR BLUFF MO	348.9	CP	BPCDT	-19991019ABN
18	KPOB-DT	POPLAR BLUFF MO	348.9	PLN	DTVPLN	-DTVP0296
18	KAFU-DT	ENID OK	343.3	PLN	DTVPLN	-DTVP0303
19	KSPR-DT	SPRINGFIELD MO	188.3	CP	BPCDT	-19991029ADI
19	KSPR-DT	SPRINGFIELD MO	188.3	PLN	DTVPLN	-DTVP0342
19	KWBT	MUSKOGEE OK	148.8	LIC	BLCT	-19990922AAE

Total scenarios = 4

Result key: 3
 Scenario 1 Affected station 10
 Before Analysis

Results for: 18A AR FORT SMITH BMPCDT 20020502AAF APP

HAAT 286.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	627046	30516.8
not affected by terrain losses	609921	29074.0
lost to NTSC IX	493	44.2
lost to additional IX by ATV	370	40.2
lost to ATV IX only	370	40.2
lost to all IX	863	84.4

Potential Interferring Stations Included in above Scenario 1

19N OK MUSKOGEE	BLCT	19990922AAE	LIC
18A MO KANSAS CITY	DTVPLN	DTVP0295	PLN
19A MO SPRINGFIELD	BPCDT	19991029ADI	CP

Result key: 4
 Scenario 2 Affected station 10
 Before Analysis

Results for: 18A AR FORT SMITH BMPCDT 20020502AAF APP

HAAT 286.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	627046	30516.8
not affected by terrain losses	609921	29074.0
lost to NTSC IX	493	44.2
lost to additional IX by ATV	183	24.1

lost to ATV IX only	183	24.1
lost to all IX	676	68.3

Potential Interferring Stations Included in above Scenario 2

19N OK MUSKOGEE	BLCT	19990922AAE	LIC
18A MO KANSAS CITY	DTVPLN	DTVP0295	PLN
19A MO SPRINGFIELD	DTVPLN	DTVP0342	PLN

Result key: 5
Scenario 3 Affected station 10
Before Analysis

Results for: 18A AR FORT SMITH BMPCDT 20020502AAF APP
HAAT 286.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	627046	30516.8
not affected by terrain losses	609921	29074.0
lost to NTSC IX	493	44.2
lost to additional IX by ATV	370	40.2
lost to ATV IX only	370	40.2
lost to all IX	863	84.4

Potential Interferring Stations Included in above Scenario 3

19N OK MUSKOGEE	BLCT	19990922AAE	LIC
18A MO KANSAS CITY	BPEDT	20000426ABT	CP
19A MO SPRINGFIELD	BPCDT	19991029ADI	CP

Result key: 6
Scenario 4 Affected station 10
Before Analysis

Results for: 18A AR FORT SMITH BMPCDT 20020502AAF APP
HAAT 286.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	627046	30516.8
not affected by terrain losses	609921	29074.0
lost to NTSC IX	493	44.2
lost to additional IX by ATV	183	24.1
lost to ATV IX only	183	24.1
lost to all IX	676	68.3

Potential Interferring Stations Included in above Scenario 4

19N OK MUSKOGEE	BLCT	19990922AAE	LIC
18A MO KANSAS CITY	BPEDT	20000426ABT	CP
19A MO SPRINGFIELD	DTVPLN	DTVP0342	PLN

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED