

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
TW Census data selected 2000  
Data Base Selected  
/space/software/cdb/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-10-2010 Time: 12:45:58

Record Selected for Analysis

NEW-47 USERRECORD-01 MANHATTAN KS US  
Channel 47 ERP 15. kW HAAT 137. m RCAMSL 00497 m STRINGENT MASK  
Latitude 039-13-34 Longitude 0096-37-00  
Status APP Zone 2 Border Site number: 01  
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  
Service Class = LD  
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	15.000	131.6	45.4
45.0	15.000	132.4	45.5
90.0	15.000	157.6	47.2
135.0	15.000	143.9	46.3
180.0	15.000	155.2	47.1
225.0	15.000	135.6	45.7
270.0	15.000	123.7	44.9
315.0	15.000	116.2	44.3

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

SPACING VIOLATION FOUND BETWEEN STATION

NEW-47 47 MANHATTAN KS USERRECORD01 Site # 01

and station

SHORT TO: KQKC-LP 32 TOPEKA KS BLTTL 20100128AAE  
039-04- 5 0096-10- 0  
Req. separation => 24.1 <= 96.6 Actual separation 42.6 Short 54.0( 18.5) km

SHORT TO: K33KS-D 33 ENTERPRISE KS BNPDTL 20090825BNK  
038-53-59 0097-07-13

Req. separation => 24.1 <= 96.6 Actual separation 56.7 Short 39.9( 32.6) km

SHORT TO: K33IC 33 TOPEKA KS BLTT 20050408AAJ  
039-01-34 0095-55- 1

Req. separation => 24.1 <= 96.6 Actual separation 64.5 Short 32.1( 40.4) km

SHORT TO: K65GA 39 TOPEKA KS BPTTL 20020815AAM  
039-04-50 0095-43-37

Req. separation => 24.1 <= 96.6 Actual separation 78.6 Short 18.0( 54.5) km

SHORT TO: K40KV-D 40 ENTERPRISE KS BNPDTL 20090825BNM  
038-53-59 0097-07-13

Req. separation => 24.1 <= 96.6 Actual separation 56.7 Short 39.9( 32.6) km

SHORT TO: K40IJ-D 40 TOPEKA KS BLDLTL 20091103ACE  
039-03-50 0095-45-49

Req. separation => 24.1 <= 96.6 Actual separation 75.9 Short 20.7( 51.8) km

SHORT TO: KTMJ-CA 43 TOPEKA KS BLTTA 20021112ABH  
039-03-50 0095-45-49

Req. separation => 24.1 <= 96.6 Actual separation 75.9 Short 20.7( 51.8) km

SHORT TO: KTMJ-CA 43 TOPEKA KS BSTA 20020513ABD  
039-01-34 0095-55- 1

Req. separation => 24.1 <= 96.6 Actual separation 64.5 Short 32.1( 40.4) km

SHORT TO: WIBW-TV 44 TOPEKA KS BDRTCDT 20091208AAW  
039-00-22 0096-02-57

Req. separation => 24.1 <= 96.6 Actual separation 54.8 Short 41.8( 30.7) km

SHORT TO: NEW 46 TOPEKA KS BNPDTL 20100125AIJ  
039-03-10 0096-02-17

Req. separation => 12.0 <= 106.0 Actual separation 53.6 Short 52.4( 41.6) km

SHORT TO: NEW 47 RUSSELL KS BNPDTL 20100514AHM  
038-54-56 0098-51-43

Req. separation 244.6 Actual separation 197.3 Short 47.3 km

SHORT TO: KSNL-LD 47 SALINA KS BLDLTL 20080611ABR  
038-50-29 0097-40- 3

Req. separation 244.6 Actual separation 100.5 Short 144.1 km

SHORT TO: KSMO-TV 47 KANSAS CITY MO BMPCDT 20010706AAE  
039-05-26 0094-28-18

Req. separation 223.7 Actual separation 186.0 Short 37.7 km

SHORT TO: KWAZ-LD 47 LINCOLN NE BDCCDTT 20061030AMQ  
040-51-10 0096-40-36

Req. separation 244.6 Actual separation 180.7 Short 63.9 km

SHORT TO: KOHA-LD 47 OMAHA NE BMPDTL 20070917ACC  
041-18-32 0096-01-33

Req. separation 244.6 Actual separation 236.7 Short 7.9 km

SHORT TO: KTKA-TV 49 TOPEKA KS BLC DT 20090612AIV  
039-01-34 0095-55- 1  
Req. separation => 24.1 <= 96.6 Actual separation 64.5 Short 32.1( 40.4) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations  
Proposed facility OK toward West Virginia quiet zone  
Proposed facility OK toward Table Mountain  
Proposed facility is beyond the Canadian coordination distance  
Proposed facility is beyond the Mexican coordination distance  
Proposed station is OK toward AM broadcast stations

\*\*\*\*\*  
Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
47	NEW-47	MANHATTAN KS	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	K32HB	MANHATTAN KS	1.9	LIC	BLTTL	-20081014ACF
32	KQKC-LP	TOPEKA KS	42.5	LIC	BLTTL	-20100128AAE
33	K33IC	TOPEKA KS	64.3	LIC	BLTT	-20050408AAJ
39	K65GA	TOPEKA KS	78.4	APP	BPTTL	-20020815AAM
43	KTMJ-CA	TOPEKA KS	75.7	LIC	BLTTA	-20021112ABH
43	KTMJ-CA	TOPEKA KS	64.3	STA	BSTA	-20020513ABD
46	NEW	TOPEKA KS	53.5	APP	BNPDTL	-20100125AIJ
46	K53FC	ST. JOSEPH MO	170.0	APP	BPTTL	-20020819ABP
46	K46FG-D	FALLS CITY NE	137.2	LIC	BLDTT	-20081114ACM
47	NEW	SPRINGDALE AR	402.0	APP	BNPDTL	-20100210ABJ
47	NEW	RUSSELL KS	196.8	APP	BNPDTL	-20100514AHM
47	KSNL-LD	SALINA KS	100.3	LIC	BLDTL	-20080611ABR
47	K56AU	COLUMBIA MO	376.0	APP	BDFCDTT	-20060331ASC
47	NEW	JOPLIN MO	293.7	APP	BNPDTL	-20100506ADC
47	KSMO-TV	KANSAS CITY MO	185.5	CP MOD	BMPCDT	-20010706AAE
47	K47LH	SPRINGFIELD MO	371.3	LIC	BLTT	-20070806AEZ
47	KWAZ-LD	LINCOLN NE	180.9	CP	BDCCDTT	-20061030AMQ
47	KOHA-LD	OMAHA NE	236.9	CP MOD	BMPDTL	-20070917ACC
47	K47LB-D	SEILING OK	404.4	CP	BDCCDTT	-20061024AEF
47	KWHB	TULSA OK	365.8	CP MOD	BMPCDT	-20080619ABI
47	KWHB	TULSA OK	365.8	LIC	BLC DT	-20090217ACO
48	KUKC-LP	KANSAS CITY MO	184.5	LIC	BLTTL	-19970327JB
51	K52HZ	MANHATTAN KS	0.0	CP	BDISTTL	-20071126AAP
51	KHDS-LP	SALINA KS	100.4	LIC	BLTT	-20030805AHW

%%%

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	K32HB	MANHATTAN KS	BLTTL	-20081014ACF

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	K31BW	MANHATTAN KS	1.9	LIC	BLTTL	-19890119II
32	K32JQ-D	MANHATTAN KS	1.9	CP	BNPDTL	-20090908ADQ
32	KQKC-LP	TOPEKA KS	42.0	LIC	BLTTL	-20100128AAE
47	NEW-47	MANHATTAN KS	1.9	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.
32	KQKC-LP	TOPEKA KS	BLTTL	-20100128AAE

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KCTV	KANSAS CITY MO	136.7	CP MOD	BMPCDT	-20100114AAA
24	KCTV	KANSAS CITY MO	136.7	CP	BPCDT	-20080619AGA
24	KCTV	KANSAS CITY MO	136.7	CP MOD	BMPCDT	-20040715ADD
29	KMBC-DR	KANSAS CITY MO	142.5	APP	BPRM	-20080616AEO
29	KMBC-TV	KANSAS CITY MO	142.5	LIC	BLCDT	-20090618ACY
32	K32JQ-D	MANHATTAN KS	42.5	CP	BNPDTL	-20090908ADQ
32	K32HB	MANHATTAN KS	42.0	LIC	BLTTL	-20081014ACF
33	K33IC	TOPEKA KS	22.1	LIC	BLTT	-20050408AAJ
34	WDAF-TV	KANSAS CITY MO	135.6	CP	BPCDT	-20080618ATE
47	NEW-47	MANHATTAN KS	42.5	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	K33IC	TOPEKA KS	BLTT	-20050408AAJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	KMBC-DR	KANSAS CITY MO	121.1	APP	BPRM	-20080616AEO
29	KMBC-TV	KANSAS CITY MO	121.1	LIC	BLCDT	-20090618ACY
31	KCWE	KANSAS CITY MO	121.1	LIC	BLCDT	-20051014ABT
32	KQKC-LP	TOPEKA KS	22.1	LIC	BLTTL	-20100128AAE
33	KBIN-TV	COUNCIL BLUFFS IA	247.7	LIC	BLEDT	-20050711ABX
33	K33HW	PARSONS KS	197.6	LIC	BLTTL	-20070618ACA
33	K53FM	BELTON MO	121.7	APP	BPTTL	-20020509AAW
33	KTVO	KIRKSVILLE MO	340.7	LIC	BLCDT	-20030604AAC
34	WDAF-TV	KANSAS CITY MO	114.2	CP	BPCDT	-20080618ATE
41	KMCI-TV	LAWRENCE KS	119.6	CP MOD	BMPCDT	-20080618ABG
41	KMCI-TV	LAWRENCE KS	119.6	APP	BMPCDT	-20100802AUH
41	KMCI-TV	LAWRENCE KS	119.6	LIC	BLCDT	-20090619ABY
47	KSMO-TV	KANSAS CITY MO	124.9	CP MOD	BMPCDT	-20010706AAE
47	NEW-47	MANHATTAN KS	64.3	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K65GA	TOPEKA KS	BPTTL -20020815AAM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	KCWE	KANSAS CITY MO	104.5	LIC	BLCDT -20051014ABT
38	NEW	TOPEKA KS	27.0	APP	BNPDTL -20100125AII
39	KWOG	SPRINGDALE AR	345.5	LIC	BLCDT -20070820ABS
39	KFPX-TV	NEWTON IA	371.4	LIC	BLCDT -20090612AHB
39	KFPX-TV	NEWTON IA	353.9	CP MOD	BMPCDT -20080620AMG
39	KMEG	SIOUX CITY IA	391.9	LIC	BLCDT -20070129AAZ
39	NEW	FORT RILEY KS	82.0	APP	BNPDTL -20100510AFM
39	KUKC-LD	KANSAS CITY MO	104.9	CP	BDCCDTL -20061010ANF
40	K40IJ-D	TOPEKA KS	3.7	LIC	BLDTL -20091103ACE
41	KMCI-TV	LAWRENCE KS	103.7	CP MOD	BMPCDT -20080618ABG
41	KMCI-TV	LAWRENCE KS	103.7	APP	BMPCDT -20100802AUH
41	KMCI-TV	LAWRENCE KS	103.7	LIC	BLCDT -20090619ABY
42	KSHB-TV	KANSAS CITY MO	103.7	CP	BPCDT -20080619ADC
42	KSHB-TV	KANSAS CITY MO	103.7	LIC	BLCDT -20030902ABH
42	KSHB-TV	KANSAS CITY MO	103.7	APP	BMPCDT -20100802AUG
47	KSMO-TV	KANSAS CITY MO	108.3	CP MOD	BMPCDT -20010706AAE
47	NEW-47	MANHATTAN KS	78.4	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

Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	KTMJ-CA	TOPEKA KS	BLTTA -20021112ABH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KMCI-TV	LAWRENCE KS	106.6	CP MOD	BMPCDT -20080618ABG
41	KMCI-TV	LAWRENCE KS	106.6	APP	BMPCDT -20100802AUH
41	KMCI-TV	LAWRENCE KS	106.6	LIC	BLCDT -20090619ABY
42	KSHB-TV	KANSAS CITY MO	106.6	CP	BPCDT -20080619ADC
42	KSHB-TV	KANSAS CITY MO	106.6	LIC	BLCDT -20030902ABH
42	KSHB-TV	KANSAS CITY MO	106.6	APP	BMPCDT -20100802AUG
43	KCTU-LD	WICHITA KS	205.7	APP	BSTA -20081223AAR
43	KODE-TV	JOPLIN MO	245.5	CP MOD	BMPCDT -20070125ACU
43	KCDN-LP	KANSAS CITY MO	108.0	CP	BDISTTL -20080703ABI
43	KPTM	OMAHA NE	226.5	LIC	BLCDT -20051107AFO
43	KPTM	OMAHA NE	226.5	APP	BMPCDT -20040609AAB
44	WIBW-TV	TOPEKA KS	25.5	CP	BDRTCDDT -20091208AAW
47	KSMO-TV	KANSAS CITY MO	111.5	CP MOD	BMPCDT -20010706AAE
51	KPXE-TV	KANSAS CITY MO	108.0	LIC	BMLCDT -20041112AAI
47	NEW-47	MANHATTAN KS	75.7	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
43	KTMJ-CA	TOPEKA KS	BSTA -20020513ABD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KMCI-TV	LAWRENCE KS	119.6	CP MOD	BMPCDT -20080618ABG
41	KMCI-TV	LAWRENCE KS	119.6	APP	BMPCDT -20100802AUH
41	KMCI-TV	LAWRENCE KS	119.6	LIC	BLCDT -20090619ABY
42	KSHB-TV	KANSAS CITY MO	119.6	CP	BPCDT -20080619ADC
42	KSHB-TV	KANSAS CITY MO	119.6	LIC	BLCDT -20030902ABH
42	KSHB-TV	KANSAS CITY MO	119.6	APP	BMPCDT -20100802AUG
43	KCTU-LD	WICHITA KS	193.8	APP	BSTA -20081223AAR
43	KODE-TV	JOPLIN MO	248.0	CP MOD	BMPCDT -20070125ACU
43	KCDN-LP	KANSAS CITY MO	121.2	CP	BDISTTL -20080703ABI
43	KPTM	OMAHA NE	228.8	LIC	BLCDT -20051107AFO
43	KPTM	OMAHA NE	228.8	APP	BMPCDT -20040609AAB
44	WIBW-TV	TOPEKA KS	11.6	CP	BDRTCDT -20091208AAW
47	KSMO-TV	KANSAS CITY MO	124.9	CP MOD	BMPCDT -20010706AAE
51	KPXE-TV	KANSAS CITY MO	121.2	LIC	BMLCDT -20041112AAI
47	NEW-47	MANHATTAN KS	64.3	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
46	NEW	TOPEKA KS	BNPDTL -20100125AIJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KSNF	JOPLIN MO	255.2	CP MOD	BMPCDT -20070125ACP
46	K53FC	ST. JOSEPH MO	134.6	APP	BPTTL -20020819ABP
46	K46FG-D	FALLS CITY NE	133.6	LIC	BLDTT -20081114ACM
47	NEW-47	MANHATTAN KS	53.5	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.
46	K53FC	ST. JOSEPH MO	BPTTL -20020819ABP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	KSHB-TV	KANSAS CITY MO	87.3	CP	BPCDT -20080619ADC
42	KSHB-TV	KANSAS CITY MO	87.3	LIC	BLCDT -20030902ABH
42	KSHB-TV	KANSAS CITY MO	87.3	APP	BMPCDT -20100802AUG

46	K46EY	DES MOINES IA	235.0	LIC	BLTTL	-20001212ABS
46	KSNF	JOPLIN MO	297.2	CP MOD	BMPCDT	-20070125ACP
46	K46FG-D	FALLS CITY NE	94.0	LIC	BLDTT	-20081114ACM
47	KSMO-TV	KANSAS CITY MO	76.6	CP MOD	BMPCDT	-20010706AAE
49	KTCA-TV	TOPEKA KS	128.1	LIC	BLCDT	-20090612AIV
47	NEW-47	MANHATTAN KS	170.0	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 9

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	K46FG-D	FALLS CITY NE	BLDTT	-20081114ACM

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	KMTV-TV	OMAHA NE	124.6	LIC	BLCDT	-20090610AAX
46	K46EY	DES MOINES IA	237.3	LIC	BLTTL	-20001212ABS
46	NEW	TOPEKA KS	133.6	APP	BNPDTL	-20100125AIJ
46	KSNF	JOPLIN MO	362.5	CP MOD	BMPCDT	-20070125ACP
46	K53FC	ST. JOSEPH MO	94.0	APP	BPTTL	-20020819ABP
47	NEW-47	MANHATTAN KS	137.2	APP	USERRECORD-01	

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 10

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	NEW	SPRINGDALE AR	BNPDTL	-20100210ABJ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	KSNF	JOPLIN MO	104.8	CP MOD	BMPCDT	-20070125ACP
47	K54FH	GREEN FOREST AR	60.5	CP	BDISDTL	-20060331AYO
47	KEJC-LP	SHERIDAN AR	235.6	LIC	BLTTL	-20031024ABA
47	NEW	JOPLIN MO	108.5	APP	BNPDTL	-20100506ADC
47	KSMO-TV	KANSAS CITY MO	322.3	CP MOD	BMPCDT	-20010706AAE
47	K47LH	SPRINGFIELD MO	135.1	LIC	BLTT	-20070806AEZ
47	NEW	MULDROW OK	97.7	APP	BNPDTL	-20100505AJY
47	KWHB	TULSA OK	142.8	CP MOD	BMPCDT	-20080619ABI
47	KWHB	TULSA OK	142.8	LIC	BLCDT	-20090217ACO
48	K45EI	BENTONVILLE & ROGERS AR	27.8	CP	BDISTTL	-20090622AFA
48	K45EI	BENTONVILLE & ROGERS AR	27.8	APP	BSTA	-20090619ADL
48	K45EI	BENTONVILLE & ROGERS AR	27.8	APP	BDISTTA	-20100527AFR
47	NEW-47	MANHATTAN KS	402.0	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 11

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	NEW	RUSSELL KS	BNPDTL -20100514AHM

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KSNL-LD	SALINA KS	103.7	LIC	BLDTL -20080611ABR
47	KSMO-TV	KANSAS CITY MO	379.7	CP MOD	BMPCDT -20010706AAE
47	NEW-47	MANHATTAN KS	196.8	APP	USERRECORD-01

Proposal causes no interference

#####

# Analysis of Interference to Affected Station 12

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	KSNL-LD	SALINA KS	BLDTL -20080611ABR

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	NEW	RUSSELL KS	103.7	APP	BNPDTL -20100514AHM
47	KSMO-TV	KANSAS CITY MO	277.6	CP MOD	BMPCDT -20010706AAE
47	KWHB	TULSA OK	359.4	CP MOD	BMPCDT -20080619ABI
47	KWHB	TULSA OK	359.4	LIC	BLCDT -20090217ACO
47	NEW-47	MANHATTAN KS	100.3	APP	USERRECORD-01

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 12  
Before Analysis

Results for: 47A KS SALINA BLDTL 20080611ABR LIC  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	64362	3415.7
not affected by terrain losses	64362	3415.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

## After Analysis

Results for: 47A KS SALINA BLDTL 20080611ABR LIC  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	64362	3415.7
not affected by terrain losses	64362	3415.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	31	11.0
lost to ATV IX only	31	11.0
lost to all IX	31	11.0

Potential Interfering Stations Included in above Scenario 1

47A KS MANHATTAN USERRECORD01 APP

Percent new IX = 0.0482%



Worst case new IX 0.0482% Scenario 1

#####

Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	K56AU	COLUMBIA MO	BDFCDT -20060331ASC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KPXR-TV	CEDAR RAPIDS IA	371.9	LIC	BLCDT -20020510AAO
47	WRBU	EAST ST. LOUIS IL	167.2	LIC	BLCDT -20020510ABC
47	WRBU	EAST ST. LOUIS IL	167.2	CP	BPCDT -20080620AGT
47	KSMO-TV	KANSAS CITY MO	190.5	CP MOD	BMPCDT -20010706AAE
47	NEW-47	MANHATTAN KS	376.0	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	NEW	JOPLIN MO	BNPDTL -20100506ADC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KSNF	JOPLIN MO	13.4	CP MOD	BMPCDT -20070125ACP
47	K54FH	GREEN FOREST AR	141.2	CP	BDISDTL -20060331AYO
47	NEW	SPRINGDALE AR	108.5	APP	BNPDTL -20100210ABJ
47	KSMO-TV	KANSAS CITY MO	227.3	CP MOD	BMPCDT -20010706AAE
47	K47LH	SPRINGFIELD MO	131.3	LIC	BLTT -20070806AEZ
47	KWHB	TULSA OK	143.9	CP MOD	BMPCDT -20080619ABI
47	KWHB	TULSA OK	143.9	LIC	BLCDT -20090217ACO
48	KELF-LP	MIAMI OK	31.9	LIC	BLTTL -20060301ADE
47	NEW-47	MANHATTAN KS	293.7	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	KSMO-TV	KANSAS CITY MO	BMPCDT -20010706AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KSNF	JOPLIN MO	224.1	CP MOD	BMPCDT -20070125ACP
47	KPXR-TV	CEDAR RAPIDS IA	417.0	LIC	BLCDT -20020510AAO
47	WRBU	EAST ST. LOUIS IL	354.1	LIC	BLCDT -20020510ABC
47	WRBU	EAST ST. LOUIS IL	354.1	CP	BPCDT -20080620AGT
47	KWHB	TULSA OK	357.3	CP MOD	BMPCDT -20080619ABI
47	KWHB	TULSA OK	357.3	LIC	BLCDT -20090217ACO
47	NEW-47	MANHATTAN KS	185.5	APP	USERRECORD-01

Total scenarios = 2

Result key: 2  
Scenario 1 Affected station 15  
Before Analysis

Results for: 47A MO KANSAS CITY BMPCDT 20010706AAE CP  
HAAT 356.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2174643	31852.5
not affected by terrain losses	2173141	31489.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	254	23.9
lost to ATV IX only	254	23.9
lost to all IX	254	23.9

Potential Interfering Stations Included in above Scenario 1

47A IL EAST ST. LOUIS BPCDT 20080620AGT CP  
47A OK TULSA BMPCDT 20080619ABI CP

After Analysis

Results for: 47A MO KANSAS CITY BMPCDT 20010706AAE CP  
HAAT 356.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2174643	31852.5
not affected by terrain losses	2173141	31489.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7412	134.2
lost to ATV IX only	7412	134.2
lost to all IX	7412	134.2

Potential Interfering Stations Included in above Scenario 1

47A IL EAST ST. LOUIS BPCDT 20080620AGT CP  
47A OK TULSA BMPCDT 20080619ABI CP  
47A KS MANHATTAN USERRECORD01 APP

Percent new IX = 0.3294%

Result key: 3  
Scenario 2 Affected station 15  
Before Analysis

Results for: 47A MO KANSAS CITY BMPCDT 20010706AAE CP  
HAAT 356.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2174643	31852.5
not affected by terrain losses	2173141	31489.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	54	4.0
lost to ATV IX only	54	4.0
lost to all IX	54	4.0

Potential Interfering Stations Included in above Scenario 2

47A IL EAST ST. LOUIS BPCDT 20080620AGT CP  
47A OK TULSA BLCDT 20090217ACO LIC

After Analysis

Results for: 47A MO KANSAS CITY BMPCDT 20010706AAE CP  
HAAT 356.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2174643	31852.5

not affected by terrain losses	2173141	31489.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7216	117.3
lost to ATV IX only	7216	117.3
lost to all IX	7216	117.3

Potential Interfering Stations Included in above Scenario 2

47A IL EAST ST. LOUIS	BPCDT	20080620AGT	CP
47A OK TULSA	BLCDT	20090217ACO	LIC
47A KS MANHATTAN	USERRECORD01		APP

Percent new IX = 0.3296%

Worst case new IX 0.3296% Scenario 2

#####

#### Analysis of Interference to Affected Station 16

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	K47LH	SPRINGFIELD MO	BLTT -20070806AEZ

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
43	KODE-TV	JOPLIN MO	116.3	CP MOD	BMPCDT -20070125ACU
44	KYTV	SPRINGFIELD MO	26.1	LIC	BLCDT -20020213AAA
46	KSNF	JOPLIN MO	117.8	CP MOD	BMPCDT -20070125ACP
47	WRBU	EAST ST. LOUIS IL	274.9	LIC	BLCDT -20020510ABC
47	WRBU	EAST ST. LOUIS IL	274.9	CP	BPCDT -20080620AGT
47	KSMO-TV	KANSAS CITY MO	236.2	CP MOD	BMPCDT -20010706AAE
47	KWHB	TULSA OK	254.3	CP MOD	BMPCDT -20080619ABI
47	KWHB	TULSA OK	254.3	LIC	BLCDT -20090217ACO
49	KRBK	OSAGE BEACH MO	58.1	CP	BPCDT -20080411ABZ
49	KRBK	OSAGE BEACH MO	80.9	LIC	BLCDT -20090805AAX
50	KNWA-TV	ROGERS AR	108.6	CP MOD	BMPCDT -20040803ABU
47	NEW-47	MANHATTAN KS	371.3	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.
47	KWAZ-LD	LINCOLN NE	BDCCDTT -20061030AMQ

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KSMO-TV	KANSAS CITY MO	271.4	CP MOD	BMPCDT -20010706AAE
47	KOHA-LD	OMAHA NE	74.5	CP MOD	BMPDTL -20070917ACC
47	KDLT-TV	SIOUX FALLS SD	295.0	LIC	BLCDT -20050829AAT
47	NEW-47	MANHATTAN KS	180.9	APP	USERRECORD-01

Proposal causes no interference

#####

#### Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	KOHA-LD	OMAHA NE	BMPDTL -20070917ACC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KPXR-TV	CEDAR RAPIDS IA	360.2	LIC	BLCDDT -20020510AAO
47	KSMO-TV	KANSAS CITY MO	279.6	CP MOD	BMPCDDT -20010706AAE
47	KWAZ-LD	LINCOLN NE	74.5	CP	BDCCDDT -20061030AMQ
47	KDLT-TV	SIOUX FALLS SD	247.9	LIC	BLCDDT -20050829AAT
48	KOHA-LP	OMAHA NE	0.0	CP	BPTTL -20070917ACE
47	NEW-47	MANHATTAN KS	236.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	K47LB-D	SEILING OK	BDCCDDT -20061024AEF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KWHB	TULSA OK	294.7	CP MOD	BMPCDDT -20080619ABI
47	KWHB	TULSA OK	294.7	LIC	BLCDDT -20090217ACO
47	NEW-47	MANHATTAN KS	404.4	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	KWHB	TULSA OK	BMPCDDT -20080619ABI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KSNF	JOPLIN MO	154.2	CP MOD	BMPCDDT -20070125ACP
46	KOCM	NORMAN OK	170.1	LIC	BLCDDT -20090522AFN
47	KSMO-TV	KANSAS CITY MO	357.3	CP MOD	BMPCDDT -20010706AAE
47	NEW-47	MANHATTAN KS	365.8	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	KWHB	TULSA OK	BLCDDT -20090217ACO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KSNF	JOPLIN MO	154.2	CP MOD	BMPCDDT -20070125ACP

46	KOCM	NORMAN OK	170.1	LIC	BLCDDT	-20090522AFN
47	KSMO-TV	KANSAS CITY MO	357.3	CP MOD	BMPCDDT	-20010706AAE
47	NEW-47	MANHATTAN KS	365.8	APP	USERRECORD-01	

Proposal causes no interference

#####

#### Analysis of Interference to Affected Station 22

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	KUKC-LP	KANSAS CITY MO	BLTTL	-19970327JB

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KMCI-TV	LAWRENCE KS	11.4	CP MOD	BMPCDDT	-20080618ABG
41	KMCI-TV	LAWRENCE KS	11.4	APP	BMPCDDT	-20100802AUH
41	KMCI-TV	LAWRENCE KS	11.4	LIC	BLCDDT	-20090619ABY
47	KSMO-TV	KANSAS CITY MO	2.2	CP MOD	BMPCDDT	-20010706AAE
49	KTKA-TV	TOPEKA KS	123.7	LIC	BLCDDT	-20090612AIV
51	KPXE-TV	KANSAS CITY MO	6.2	LIC	BMLCDDT	-20041112AAI
47	NEW-47	MANHATTAN KS	184.5	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

#### Analysis of Interference to Affected Station 23

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	K52HZ	MANHATTAN KS	BDISTTL	-20071126AAP

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	KTKA-TV	TOPEKA KS	64.3	LIC	BLCDDT	-20090612AIV
51	NEW	EMPORIA KS	96.9	APP	BNPDTL	-20100120ACS
51	KSMI-LP	WICHITA KS	180.5	LIC	BLTTL	-20040430AGX
51	KPXE-TV	KANSAS CITY MO	182.7	LIC	BMLCDDT	-20041112AAI
51	KFXL-TV	LINCOLN NE	180.9	CP	BPCDDT	-20080317AHY
47	NEW-47	MANHATTAN KS	0.0	APP	USERRECORD-01	

Proposal causes no interference

#####

#### Analysis of Interference to Affected Station 24

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	KHDS-LP	SALINA KS	BLTT	-20030805AHW

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
51	K52HZ	MANHATTAN KS	100.4	CP	BDISTTL	-20071126AAP
51	KSMI-LP	WICHITA KS	130.6	LIC	BLTTL	-20040430AGX
51	KPXE-TV	KANSAS CITY MO	273.5	LIC	BMLCDDT	-20041112AAI
51	KFXL-TV	LINCOLN NE	239.1	CP	BPCDDT	-20080317AHY
51	KSBI	OKLAHOMA CITY OK	360.8	LIC	BLCDDT	-20090611AAE

47 NEW-47 MANHATTAN KS 100.4 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.
47	NEW-47	MANHATTAN KS	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	NEW	TOPEKA KS	53.5	APP	BNPDTL -20100125AIJ
47	KSNL-LD	SALINA KS	100.3	LIC	BLDTL -20080611ABR
47	KSMO-TV	KANSAS CITY MO	185.5	CP MOD	BMPCDT -20010706AAE
47	KWAZ-LD	LINCOLN NE	180.9	CP	BDCCDTT -20061030AMQ
47	KWHB	TULSA OK	365.8	CP MOD	BMPCDT -20080619ABI
47	KWHB	TULSA OK	365.8	LIC	BLCDDT -20090217ACO

Total scenarios = 1

Result key: 4  
Scenario 1 Affected station 25  
Before Analysis

Results for: 47A KS MANHATTAN USERRECORD01 APP

HAAT 137.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	111792	6355.5
not affected by terrain losses	111778	6342.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	372	134.0
lost to ATV IX only	372	134.0
lost to all IX	372	134.0

Potential Interfering Stations Included in above Scenario 1

47A KS SALINA	BLDTL	20080611ABR	LIC
47A MO KANSAS CITY	BMPCDT	20010706AAE	CP
47A NE LINCOLN	BDCCDTT	20061030AMQ	CP

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