Contour Extension & TVStudy Interference Analysis

revised 1/18/2019 for

KUVN License Partnership, L.P.

KUVN-CD Fort Worth, TX

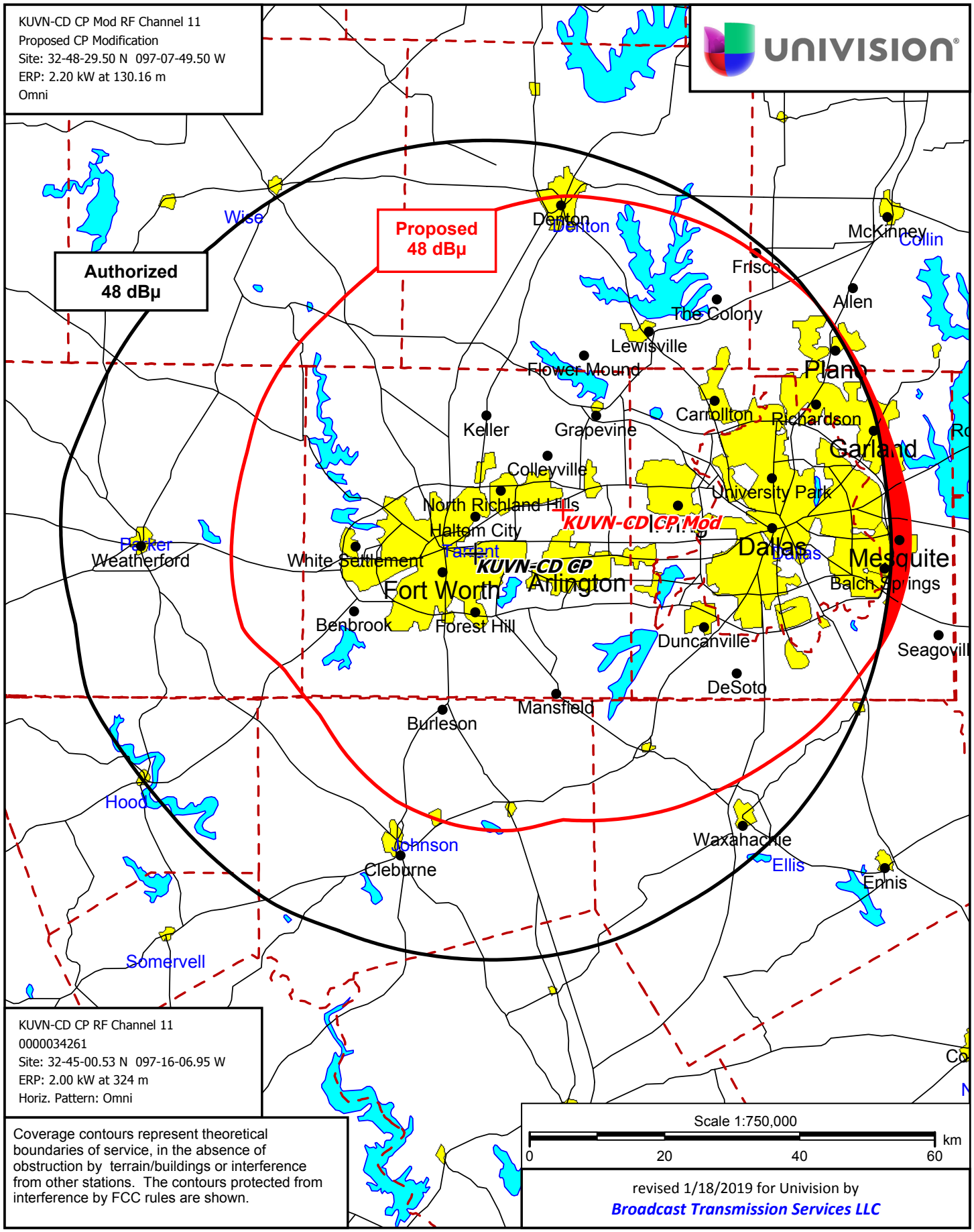
Channel 11 2.2 kW 130 m

KUVN-CD proposes a relocation of its transmitter site, due to structural issues with the tower specified in its granted construction permit for post-repack operation. The proposed facilities cause a minor contour extension east of Dallas, as shown on the attached map. Waiver of the contour extension "freeze" policy is requested based on the following facts:

- The overall interference-free area served by KUVN-CD will be reduced from 11,260 km^2 to 7,237 km^2, while the interference-free population is reduced by 238,365.
- The expansion area, 81.7 km^2, and population, 112,256, are small percentages of the proposed service (1.1% and 2.2%, respectively).
- The proposed modification will reduce interference to and significantly increase the interference-free service populations of co-channel LPTV stations KQFW-LD and K21KJ-D.

The proposed relocation of the KUVN-CD transmitter site will not cause an impermissible increase of interference to any station, as shown by the TVStudy interference data that follows the attached map. ***These analyses used 1 km cell sizes and 0.5 km terrain sampling intervals.*** Two TVStudy datasets are attached, one for the proposed modification and another for the granted construction permit. Although greater than 2% interference is predicted to the co-channel construction permit facilities of LPTV stations KQFW-LD and K21KJ-D, such interference is substantially less than that authorized by the current construction permit and accepted by those stations by their displacement applications. The predicted population interference to KQFW-LD is reduced from 64.3% to 37.1%, while that of K21KJ-D is reduced from 94.2% to 88.1%. These reductions will increase the interference-free service populations of KQFW-LD by 83% and K21KJ-D by 104%.

KUVN-CD Proposed Coverage



TVStudy Interference Analysis of Proposed CP Modification

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tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: BLANK0000064680,  Model: Longley-Rice
Start: 2019.01.18 10:32:45

Study last edited: 2019.01.18 10:32:41

    Proposal: KUVN-CD D11 DC APP FORT WORTH, TX
 File number: BLANK0000064680
 Facility ID: 5319
Station data: User record
   Record ID: 140
     Country: U.S.

Proposal "before": (none)

Study has been edited.  Stations studied for impact of proposal:

Call      Chan  Svc Status  City, State               File Number             Distance
KHPK-LD   D10        LD  LIC     DE SOTO, TX               BLANK0000029265          28.6 km
KSWO-TV   D11        DT  LIC     LAWTON, OK                BLANK0000005143         215.0
KQFW-LD   D11        LD  CP      DALLAS, TX                BLANK0000054275          42.2
K21KJ-D   D11        LD  CP      MINERAL WELLS, TX         BLANK0000054783          40.1
KJJM-LD   D12        LD  CP      DALLAS & MESQUITE, TX     BLANK0000051677           7.8
KXII      D12        DT  LIC     SHERMAN, TX               BLCDT20090226ACF        139.5

Record parameters as studied:

    Channel: D11
       Mask: Full Service
   Latitude:  32 48 30.00 N (NAD83)
  Longitude:  97  7 50.50 W
Height AMSL: 304.8 m
       HAAT: 130.1 m
   Peak ERP: 2.20 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 0.50

48.0 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   2.20 kW   119.8 m   46.5 km
 45.0       2.20      135.1     48.3
 90.0       2.20      160.0     51.3
135.0       2.20      138.2     48.7
180.0       2.20      113.8     45.7
225.0       2.20      129.5     47.6
270.0       2.20      137.0     48.6
315.0       2.20      107.7     44.8

Distance to Canadian border: 1595.5 km

Distance to Mexican border: 527.4 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 187.1 degrees   Distance: 600.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 320.7 degrees   Distance: 1087.0 km


Study cell size: 1.00 km
Profile point spacing: 0.50 km

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


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Interference to BLANK0000029265 LIC scenario 1
Proposal causes no interference.

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Interference to BLANK0000029265 LIC scenario 2
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Proposal causes no interference.

Interference to BLANK0000005143 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	
Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	BLANK0000064680	215.0 km
	KOED-TV	D11	DT	LIC	TULSA, OK	BLEDT20120419ABK	341.9
	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	297.1
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	339.9
	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	178.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
42804.2	483,103	41272.6	459,157	40383.6	449,134	40315.2	448,621	0.17	0.11

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC APP	79.5	565			68.5	513
KOED-TV D11 DT LIC	522.5	8,032	491.3	7,205	488.3	7,191
KCBD D11 DT LIC	286.3	371	250.6	371	250.6	371
KLST D11 DT LIC	60.5	35	24.9	35	20.9	6
KXII D12 DT LIC	86.5	2,412	55.3	1,585	55.3	1,585

Interference to BLANK0000054275 CP scenario 1
**IX: 37.15% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQFW-LD	D11	LD	CP	DALLAS, TX	BLANK0000054275	
Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	BLANK0000064680	42.2 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	248.7
	KQUX-LP	N11z	TX	LIC	AUSTIN, TX	BLTVA20060613AAL	243.5
	K11WJ	N11	TX	CP	PARIS, TX	BPTVL20120622ADE	195.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1791.0	42,260	1726.5	42,070	1693.2	41,841	1338.9	26,296	20.92	37.15

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC APP	386.5	15,774			354.3	15,545
KSWO-TV D11 DT LIC	33.3	229	33.3	229	1.0	0

Interference to BLANK0000054783 CP scenario 1
**IX: 88.12% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K21KJ-D	D11	LD	CP	MINERAL WELLS, TX	BLANK0000054783	
Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	BLANK0000064680	40.1 km
	KHPK-LD	D10	LD	LIC	DE SOTO, TX	BLANK0000029265	41.9
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	222.7
	KQUX-LP	N11z	TX	LIC	AUSTIN, TX	BLTVA20060613AAL	249.2
	K11WJ	N11	TX	CP	PARIS, TX	BPTVL20120622ADE	210.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
351.6	322,451	349.6	321,222	345.6	317,929	87.2	37,774	74.78	88.12

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC APP	262.5	283,448			258.4	280,155
KHPK-LD D10 LD LIC	2.0	3,260	2.0	3,260	0.0	0
KSWO-TV D11 DT LIC	2.0	33	2.0	33	0.0	0

Interference to BLANK0000051677 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KJJM-LD	D12	LD	CP	DALLAS & MESQUITE, TX	BLANK0000051677	
Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	BLANK0000064680	7.8 km
	KQFW-LD	D11	LD	CP	DALLAS, TX	BLANK0000054275	34.6
	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	146.6
	KHFD-LD	D13	LD	CP	DALLAS, TX	BLANK0000054780	22.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4174.3	2,196,736	4008.7	2,169,585	3643.3	2,075,947	3638.3	2,066,340	0.14	0.46

Undesired		Total IX	Unique IX, before		Unique IX, after	
KUVN-CD D11 DC APP	7.0	15,194			5.0	9,607
KQFW-LD D11 LD CP	65.3	2,507	49.2	2,392	49.2	2,392
KXII D12 DT LIC	183.7	55,044	134.5	50,049	133.5	47,227
KHFD-LD D13 LD CP	165.5	41,082	132.4	36,202	132.4	36,202

Interference to BLCDT20090226ACF LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	
Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	BLANK0000064680	139.5 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	178.0
	KTHV	D12	DT	LIC	LITTLE ROCK, AR	BLCDT20041029AIX	403.4
	KGEB	D12	DT	LIC	TULSA, OK	BLANK0000059370	236.4
	KETA-TV	D13	DT	LIC	OKLAHOMA CITY, OK	BLEDT20140929AOU	185.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
45873.4	2,291,204	44461.4	2,229,708	43821.6	2,222,945	43809.6	2,212,577	0.03	0.47

Undesired		Total IX	Unique IX, before		Unique IX, after	
KUVN-CD D11 DC APP	12.0	10,368			12.0	10,368
KSWO-TV D11 DT LIC	56.9	514	55.9	514	55.9	514
KTHV D12 DT LIC	37.7	259	19.0	127	19.0	127
KGEB D12 DT LIC	563.9	6,122	527.2	4,273	527.2	4,273
KETA-TV D13 DT LIC	18.0	1,717	1.0	0	1.0	0

Interference to proposal scenario 1
0.83% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	BLANK0000064680	
Undesireds:	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	215.0 km

Service area		Terrain-limited		IX-free		Percent IX	
7162.8	5,052,302	6989.7	4,985,882	6835.4	4,944,529	2.21	0.83

Undesired		Total IX	Unique IX		Prcnt Unique IX	
KSWO-TV D11 DT LIC	154.3	41,353	154.3	41,353	2.21	0.83

TVStudy Interference Analysis of Granted Construction Permit

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tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: BLANK0000034261 #303,  Model: Longley-Rice
Start: 2019.01.18 11:09:18

Study created: 2019.01.18 11:09:17

Study build station data: LMS TV 2019-01-16

    Proposal: KUVN-CD D11 DC CP FORT WORTH, TX
 File number: BLANK0000034261
 Facility ID: 5319
Station data: LMS TV 2019-01-16
   Record ID: 25076ff35f0d902f015f3b800d8637a4
     Country: U.S.

Build options:
Protect LPTV records from Class A

Stations potentially affected by proposal:

IX   Call      Chan       Svc Status  City, State              File Number             Distance
Yes  KHPK-LD   D10        LD  LIC     DE SOTO, TX              BLANK0000029265          33.2 km
No   KWTX-TV   D10        DT  LIC     WACO, TX                 BLCDT20110822AEA        158.8
No   KTEQ-LP   N11-       TX  LIC     FULTON, AR               BLTVL20071217AAO        335.5
Yes  KSWO-TV   D11        DT  LIC     LAWTON, OK               BLANK0000005143         211.3
No   KOED-TV   D11        DT  LIC     TULSA, OK                BLEDT20120419ABK        391.8
No   KQUX-LP   N11z       TX  LIC     AUSTIN, TX               BLTVA20060613AAL        274.8
No   KQUX-LP   D11        LD  CP      AUSTIN, TX               BDFCDVA20090723AEL      274.8
Yes  KQFW-LD   D11        LD  CP      DALLAS, TX               BLANK0000054275          38.7
No   KHOU      D11        DT  LIC     HOUSTON, TX              BLCDT20120620ACK        392.3
No   KWTC-LD   N11-       TX  LIC     KERRVILLE, TX            BLTVL20000428ABN        340.3
No   KCBD      D11        DT  LIC     LUBBOCK, TX              BLANK0000010766         434.1
Yes  K21KJ-D   D11        LD  CP      MINERAL WELLS, TX        BLANK0000054783          27.3
No   K11WJ     N11        TX  CP      PARIS, TX                BPTVL20120622ADE        185.7
No   K11WJ     N11z       TX  LIC     PARIS, TX                BLTVL20110825ABY        181.2
Yes  KLST      D11        DT  LIC     SAN ANGELO, TX           BLCDT20090316ABJ        303.5
No   KVCT      D11        DT  APP     VICTORIA, TX             BPCDT20120105ABP        434.2
No   KVCT      D11        DT  LIC     VICTORIA, TX             BLCDT20120104AAJ        434.2
No   K49HT     D12-       LD  CP      ABILENE, TX              BLANK0000048823         151.2
Yes  KJJM-LD   D12        LD  CP      DALLAS & MESQUITE, TX    BLANK0000051677          14.7
Yes  KXII      D12        DT  LIC     SHERMAN, TX              BLCDT20090226ACF        149.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D11
       Mask: Full Service
   Latitude:  32 45  1.00 N (NAD83)
  Longitude:  97 16  8.00 W
Height AMSL: 511.1 m
       HAAT: 0.0 m
   Peak ERP: 2.00 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic

48.0 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   2.00 kW   330.9 m   61.1 km
 45.0       2.00      347.4     62.3
 90.0       2.00      335.5     61.4
135.0       2.00      327.5     60.8
180.0       2.00      314.0     59.9
225.0       2.00      294.5     58.8
270.0       2.00      330.3     61.0
315.0       2.00      312.2     59.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 324 m

Distance to Canadian border: 1609.3 km

Distance to Mexican border: 513.5 km
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Conditions at FCC monitoring station: Kingsville TX
Bearing: 185.9 degrees Distance: 593.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 321.3 degrees Distance: 1083.9 km

Study cell size: 1.00 km
Profile point spacing: 0.50 km

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

Interference to BLANK0000029265 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHPK-LD	D10	LD	LIC	DE SOTO, TX	BLANK0000029265	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	33.2 km
	KFWD	D9	DT	APP	FORT WORTH, TX	BLANK0000035752	0.2
	K10QL-D	D10	LD	CP	ABILENE, TX	BPDVL20140626ABB	259.6
	KWTX-TV	D10	DT	LIC	WACO, TX	BLCDT20110822AEA	144.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8013.7	5,413,179	7993.8	5,412,331	7766.3	5,381,986	7747.3	5,380,014	0.24	0.04

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	29.0	3,159			19.0	1,972
KFWD D9 DT APP	212.5	26,160	188.5	24,842	179.5	23,657
KWTX-TV D10 DT LIC	39.1	5,503	15.0	4,185	14.0	4,183

Interference to BLANK0000029265 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHPK-LD	D10	LD	LIC	DE SOTO, TX	BLANK0000029265	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	33.2 km
	KFWD	D9	DT	LIC	FORT WORTH, TX	BLCDT20090724AAB	0.2
	K10QL-D	D10	LD	CP	ABILENE, TX	BPDVL20140626ABB	259.6
	KWTX-TV	D10	DT	LIC	WACO, TX	BLCDT20110822AEA	144.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8013.7	5,413,179	7993.8	5,412,331	7866.5	5,401,927	7845.5	5,399,274	0.27	0.05

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	29.0	3,159			21.0	2,653
KFWD D9 DT LIC	111.3	6,143	88.2	4,901	81.2	4,397
KWTX-TV D10 DT LIC	39.1	5,503	16.0	4,261	15.0	4,259

Interference to BLANK0000005143 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	211.3 km
	KOED-TV	D11	DT	LIC	TULSA, OK	BLEDT20120419ABK	341.9
	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	297.1
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	339.9
	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	178.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
42804.2	483,103	41272.6	459,157	40383.6	449,134	40154.4	446,904	0.57	0.50

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	240.2	2,264			229.3	2,230
KOED-TV D11 DT LIC	522.5	8,032	491.3	7,205	488.3	7,198
KCBD D11 DT LIC	286.3	371	250.6	371	250.6	371
KLST D11 DT LIC	60.5	35	24.9	35	21.9	8
KXII D12 DT LIC	86.5	2,412	55.3	1,585	55.3	1,585

Interference to BLANK0000054275 CP scenario 1

**IX: 64.31% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQFW-LD	D11	LD	CP	DALLAS, TX	BLANK0000054275	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	38.7 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	248.7
	KQUX-LP	N11z	TX	LIC	AUSTIN, TX	BLTVA20060613AAL	243.5
	K11WJ	N11	TX	CP	PARIS, TX	BPTVL20120622ADE	195.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1791.0	42,260	1726.5	42,070	1693.2	41,841	704.3	14,934	58.40	64.31

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	1021.1	27,094			988.9	26,907
KSWO-TV D11 DT LIC	33.3	229	33.3	229	1.0	42

Interference to BLANK0000054783 CP scenario 1
**IX: 94.18% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K21KJ-D	D11	LD	CP	MINERAL WELLS, TX	BLANK0000054783	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	27.3 km
	KHPK-LD	D10	LD	LIC	DE SOTO, TX	BLANK0000029265	41.9
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	222.7
	KQUX-LP	N11z	TX	LIC	AUSTIN, TX	BLTVA20060613AAL	249.2
	K11WJ	N11	TX	CP	PARIS, TX	BPTVL20120622ADE	210.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
351.6	322,451	349.6	321,222	345.6	317,929	36.1	18,517	89.56	94.18

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	313.6	302,705			309.6	299,412
KHPK-LD D10 LD LIC	2.0	3,260	2.0	3,260	0.0	0
KSWO-TV D11 DT LIC	2.0	33	2.0	33	0.0	0

Interference to BLCDT20090316ABJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	303.5 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	339.9
	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	294.3
	KVCT	D11	DT	APP	VICTORIA, TX	BPCDT20120105ABP	396.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
36400.4	199,262	33969.3	172,759	33360.0	171,095	33360.0	171,095	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	3.0	0			0.0	0
KSWO-TV D11 DT LIC	368.9	1,616	299.4	1,402	298.4	1,402
KCBD D11 DT LIC	307.9	262	238.4	48	238.4	48
KVCT D11 DT APP	2.0	0	2.0	0	2.0	0

Interference to BLCDT20090316ABJ LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	303.5 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	339.9
	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	294.3
	KVCT	D11	DT	LIC	VICTORIA, TX	BLCDT20120104AAJ	396.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
36400.4	199,262	33969.3	172,759	33361.0	171,095	33361.0	171,095	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	3.0	0			0.0	0
KSWO-TV D11 DT LIC	368.9	1,616	299.4	1,402	298.4	1,402
KCBD D11 DT LIC	307.9	262	238.4	48	238.4	48
KVCT D11 DT LIC	1.0	0	1.0	0	1.0	0

Interference to BLANK0000051677 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KJJM-LD	D12	LD	CP	DALLAS & MESQUITE, TX	BLANK0000051677	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	14.7 km
	KQFW-LD	D11	LD	CP	DALLAS, TX	BLANK0000054275	34.6
	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	146.6
	KHFD-LD	D13	LD	CP	DALLAS, TX	BLANK0000054780	22.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4174.3	2,196,736	4008.7	2,169,585	3643.3	2,075,947	3628.3	2,074,778	0.41	0.06

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	17.0	5,073			15.0	1,169
KQFW-LD D11 LD CP	65.3	2,507	49.2	2,392	49.2	2,392
KXII D12 DT LIC	183.7	55,044	134.5	50,049	132.5	46,145
KHFD-LD D13 LD CP	165.5	41,082	132.4	36,202	132.4	36,202

Interference to BLCDT20090226ACF LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	
Undesireds:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	149.0 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	178.0
	KTHV	D12	DT	LIC	LITTLE ROCK, AR	BLCDT20041029AIX	403.4
	KGEB	D12	DT	LIC	TULSA, OK	BLANK0000059370	236.4
	KETA-TV	D13	DT	LIC	OKLAHOMA CITY, OK	BLEDT20140929AOU	185.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
45873.4	2,291,204	44461.4	2,229,708	43821.6	2,222,945	43817.6	2,221,352	0.01	0.07

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUVN-CD D11 DC CP	4.0	1,593			4.0	1,593
KSWO-TV D11 DT LIC	56.9	514	55.9	514	55.9	514
KTHV D12 DT LIC	37.7	259	19.0	127	19.0	127
KGEB D12 DT LIC	563.9	6,122	527.2	4,273	527.2	4,273
KETA-TV D13 DT LIC	18.0	1,717	1.0	0	1.0	0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000034261	
Undesireds:	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	211.3 km

Service area		Terrain-limited		IX-free		Percent IX	
11558.0	5,206,481	11408.7	5,194,586	11253.4	5,182,894	1.36	0.23

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KSWO-TV D11 DT LIC	155.3	11,692	155.3	11,692	1.36	0.23