

**DELAWDER COMMUNICATIONS, INC.**

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**ENGINEERING REPORT**

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Clark Ortiz

KOBS-LP, San Antonio, TX, Site Move Minor Modification

**EXHIBIT 8**

**LPTV MINOR MODIFICATION – INTERFERENCE STUDIES**

1. Clark Ortiz is the licensee of KOBS-LP, San Antonio, TX, analog channel 19. By this analog minor modification application, Mr. Ortiz proposes a new transmitter site in San Antonio (on existing ASR #1214327 tower). KOBS-LP will continue to operate on channel 19 from the new transmitter site.

2. The use of minus frequency offset is made in order to add protection to and from any nearby analog co-channel station. The applicant will maintain the requested offset per 47 C.F.R. Section 74.761 by use of a precision oscillator supplied by the transmitter manufacturer.

3. This application is located approximately 205 kilometers from the US-Mexico border. Because the proposed maximum EIRP is less than 10 kilowatts, coordination with Mexico is not required.

4. Attached as Figure 1 are the OET-69 study results for the proposed facility (as the referenced station) as determined by V-Soft Communications' SunDTV™ software program. (According to V-Soft Communications, the SunDTV™ Program identically duplicates the FCC's OET-69 processing program.) As demonstrated by Figure 1, the proposed facility adequately protects all required US broadcast stations as required by the FCC Rules. All studies are conducted in accordance with current FCC Rules and Regulations.

5. The applicant accepts any interference that is predicted to exist to the proposed facility by any licensed, authorized or previously proposed primary TV station. The applicant also accepts any interference that is predicted to exist to the proposed facility by any licensed or authorized secondary TV station, or by any secondary TV facility that is given preferential status by the FCC over the Applicant's herein proposed facility.

# FIGURE 1—OET-69 STUDY FOR KOB5-LP, SAN ANTONIO, TX (CHANNEL 19-)

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-22-2007 Time: 14:50:50

Record Selected for Analysis

KOB5-LP USERRECORD-01 SAN ANTONIO TX US  
Channel 19 ERP 9.99 kW HAAT 144. m RCAMSL 00328 m  
Latitude 029-26-29 Longitude 0098-30-22  
Status APP Zone 2 Border Offset -  
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

1990 Census data selected

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	9.990	75.7	12.5
45.0	9.990	97.9	14.2
90.0	9.990	118.6	15.8
135.0	9.990	138.4	17.4
180.0	9.990	143.7	17.8
225.0	9.990	125.1	16.3
270.0	9.990	101.5	14.5
315.0	9.990	59.0	11.2

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 within the Mexican coordination distance

Distance to border = 205.2km

Proposed station is OK toward AM broadcast stations

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FIGURE 1—OET-69 STUDY FOR KOBS-LP, SAN ANTONIO, TX (CHANNEL 19-)

Start of Interference Analysis

Channel	Call	City/State	ARN
19	KOBS-LP	SAN ANTONIO TX	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KTDF-LP	SAN ANTONIO TX	2.0	LIC	BLTTL	-20030303AAN
19	KTXH	HOUSTON TX	290.2	LIC	BLCDT	-20020514AAE
19	KLDO-TV	LAREDO TX	224.8	CP MOD	BMPCDT	-20060112AEV
19	KVCT	VICTORIA TX	149.5	CP	BPCT	-20030212AAC
20	K20BW	SAN ANTONIO TX	10.7	LIC	BLTT	-19981014JC
26	KPXL	UVALDE TX	56.1	LIC	BLCT	-19990303KE

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KTDF-LP	SAN ANTONIO TX	BLTTL	-20030303AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KHCE-TV	SAN ANTONIO TX	27.6	LIC	BLEDT	-20050209AKG
16	KHCE-DT	SAN ANTONIO TX	24.7	PLN	DTVPLN	-DTVP0244
17	NEW	BLANCO TX	32.0	LIC	BPRM	-20020308ABT
17	KNIC-TV	BLANCO TX	29.9	LIC	BLCT	-20061003AFN
17	KNIC-CA	SAN ANTONIO TX	0.0	LIC	BLTTL	-19910311JJ
18	KLRU	AUSTIN TX	119.5	LIC	BLET	-19790424KG
18	KLRU	AUSTIN TX	119.8	APP	BPET	-20020429ABA
18	KZTV-DT	CORPUS CHRISTI TX	201.4	PLN	DTVPLN	-DTVP0326
18	KVAW-DT	EAGLE PASS TX	207.9	PLN	DTVPLN	-DTVP0327
18	KVAW	EAGLE PASS TX	207.9	CP	BPCDT	-20001101AAZ
18	KTXA	FORT WORTH TX	375.8	LIC	BLCDT	-20001130ACY
18	KTXA-DT	FORT WORTH TX	380.1	PLN	DTVPLN	-DTVP0329
19	KOBS-LP	SAN ANTONIO TX	1.9	CP	BDISTTL	-20060320ADY
20	KLRN-DT	SAN ANTONIO TX	17.4	PLN	DTVPLN	-DTVP0418
20	KPXL-TV	UVALDE TX	109.5	APP	BPRM	-20040322AHN
21	KXAN-TV	AUSTIN TX	120.1	LIC	BLCDT	-20050630AAG
21	KXAN-DT	AUSTIN TX	120.1	PLN	DTVPLN	-DTVP0459
22	KLRU	AUSTIN TX	119.5	LIC	BLEDT	-20040305ACK
22	KLRU-DT	AUSTIN TX	119.5	PLN	DTVPLN	-DTVP0505
32	NEW	CONVERSE TX	22.5	ADD	BPRM	-19960725AAR
32	KMYS	KERRVILLE TX	43.7	CP	BPCDT	-19991029ACH
32	KRRT-DT	KERRVILLE TX	43.7	PLN	DTVPLN	-DTVP0884
33	KVUE	AUSTIN TX	119.5	LIC	BLCDT	-20050624AAI
33	KVUE-DT	AUSTIN TX	119.5	PLN	DTVPLN	-DTVP0918
19	KOBS-LP	SAN ANTONIO TX	2.0	APP	USERRECORD-01	

Total scenarios = 2

# FIGURE 1—OET-69 STUDY FOR KOBS-LP, SAN ANTONIO, TX (CHANNEL 19-)

Result key: 1  
 Scenario 1 Affected station 1  
 Before Analysis

Results for: 18N TX SAN ANTONIO	BLTTTL	20030303AAN	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	878826	1034.7	
not affected by terrain losses	878826	1034.7	
lost to NTSC IX	715254	898.8	
lost to additional IX by ATV	0	0.0	
lost to all IX	715254	898.8	

Potential Interfering Stations Included in above Scenario 2

17N TX BLANCO	BLCT	20061003AFN	LIC
17N TX SAN ANTONIO	BLTTTL	19910311JJ	LIC
19N TX SAN ANTONIO	BDISTTL	20060320ADY	CP

After Analysis

Results for: 18N TX SAN ANTONIO	BLTTTL	20030303AAN	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	878826	1034.7	
not affected by terrain losses	878826	1034.7	
lost to NTSC IX	715254	898.8	
lost to additional IX by ATV	0	0.0	
lost to all IX	715254	898.8	

Potential Interfering Stations Included in above Scenario 2

17N TX BLANCO	BLCT	20061003AFN	LIC
17N TX SAN ANTONIO	BLTTTL	19910311JJ	LIC
19N TX SAN ANTONIO	USERRECORD01	APP	
*Percent new DTV interference without proposal:	81.4	BLTTTL	20030303AAN
*Percent new DTV interference with proposal:	81.4	BLTTTL	20030303AAN

Result key: 2  
 Scenario 2 Affected station 1  
 Before Analysis

Results for: 18N TX SAN ANTONIO	BLTTTL	20030303AAN	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	878826	1034.7	
not affected by terrain losses	878826	1034.7	
lost to NTSC IX	715254	898.8	
lost to additional IX by ATV	0	0.0	
lost to all IX	715254	898.8	

Potential Interfering Stations Included in above Scenario 4

17N TX BLANCO	BLCT	20061003AFN	LIC
17N TX SAN ANTONIO	BLTTTL	19910311JJ	LIC
18N TX AUSTIN	BPET	20020429ABA	APP
19N TX SAN ANTONIO	BDISTTL	20060320ADY	CP

# FIGURE 1—OET-69 STUDY FOR KOBS-LP, SAN ANTONIO, TX (CHANNEL 19-)

## After Analysis

Results for: 18N TX SAN ANTONIO BLTTL 20030303AAN LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	878826	1034.7
not affected by terrain losses	878826	1034.7
lost to NTSC IX	715254	898.8
lost to additional IX by ATV	0	0.0
lost to all IX	715254	898.8

Potential Interfering Stations Included in above Scenario 4

17N TX BLANCO	BLCT	20061003AFN	LIC
17N TX SAN ANTONIO	BLTTL	19910311JJ	LIC
18N TX AUSTIN	BPET	20020429ABA	APP
19N TX SAN ANTONIO	USERRECORD01		APP

\*Percent new DTV interference without proposal: 81.4 BLTTL 20030303AAN

\*Percent new DTV interference with proposal: 81.4 BLTTL 20030303AAN

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## Analysis of Interference to Affected Station 2

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	KTXH-DT	HOUSTON TX	DTVPLN	-DTVP0373

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KLSB-DT	NACOGDOCHES TX	215.7	PLN	DTVPLN	-DTVP0330
19	KTVT-DT	FORT WORTH TX	360.9	PLN	DTVPLN	-DTVP0372
19	KLSBTB	NACOGDOCHES TX	215.7	PLN	DTVPLN	-NPLN1059
19	KVCT	VICTORIA TX	166.4	PLN	DTVPLN	-NPLN1060
20	KTXH	HOUSTON TX	0.0	PLN	DTVPLN	-NPLN1091

Results for: 19A TX HOUSTON DTVPLN DTVP0373 PLN

	POPULATION	AREA (sq km)
HAAT 552.0 m, ATV ERP 239.0 kW		
within Noise Limited Contour	3787907	27899.7
not affected by terrain losses	3787715	27887.6
lost to NTSC IX	9	8.1
lost to additional IX by ATV	120	4.0
lost to ATV IX only	129	12.1
lost to all IX	129	12.1

### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
20	KTXH	HOUSTON TX	DTVPLN	-NPLN1091

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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FIGURE 1—OET-69 STUDY FOR KOBs-LP, SAN ANTONIO, TX (CHANNEL 19-)

19	KTXH-DT	HOUSTON TX	0.0	PLN	DTVPLN	-DTVP0373
19	KVCT	VICTORIA TX	166.4	PLN	DTVPLN	-NPLN1060
20	KLTL-DT	LAKE CHARLES LA	258.1	PLN	DTVPLN	-DTVP0398
20	KLRN-DT	SAN ANTONIO TX	276.9	PLN	DTVPLN	-DTVP0418
20	KCTF-DT	WACO TX	267.0	PLN	DTVPLN	-DTVP0421
21	KFDM-DT	BEAUMONT TX	160.3	PLN	DTVPLN	-DTVP0460
22	KLTJ	GALVESTON TX	40.6	PLN	DTVPLN	-NPLN1157
23	KLTJ-DT	GALVESTON TX	40.6	PLN	DTVPLN	-DTVP0546
24	KETH-DT	HOUSTON TX	2.3	PLN	DTVPLN	-DTVP0587
27	KRIV-DT	HOUSTON TX	1.6	PLN	DTVPLN	-DTVP0692
34	KITU	BEAUMONT TX	168.3	PLN	DTVPLN	-NPLN1483
35	KPRC-DT	HOUSTON TX	1.4	PLN	DTVPLN	-DTVP0995

Results for: 20N TX HOUSTON	DTVPLN	NPLN1091	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3787966	27903.7	
not affected by terrain losses	3787631	27867.4	
lost to NTSC IX	73	4.0	
lost to additional IX by ATV	3603	169.5	
lost to all IX	3676	173.5	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KTXH	HOUSTON TX	BLC DT	-20020514AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KLSB-DT	NACOGDOCHES TX	217.2	PLN	DTVPLN	-DTVP0330
19	KTVT	FORT WORTH TX	362.3	LIC	BLC DT	-20050628ABA
19	KTVT-DT	FORT WORTH TX	362.3	PLN	DTVPLN	-DTVP0372
19	KYTX	NACOGDOCHES TX	263.6	LIC	BLCT	-20040702AEV
19	KVCT	VICTORIA TX	175.9	CP	BPCT	-20030212AAC
20	KTXH	HOUSTON TX	0.0	LIC	BLCT	-20011205ABO
19	KOBs-LP	SAN ANTONIO TX	290.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	KLDO-DT	LAREDO TX	DTVPLN	-DTVP0374

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KZTV-DT	CORPUS CHRISTI TX	187.3	PLN	DTVPLN	-DTVP0326
18	KVAW-DT	EAGLE PASS TX	165.8	PLN	DTVPLN	-DTVP0327
19	KVCT	VICTORIA TX	287.4	PLN	DTVPLN	-NPLN1060
20	KAIO-DT	RIO GRANDE CITY TX	137.1	PLN	DTVPLN	-DTVP0417

Results for: 19A TX LAREDO	DTVPLN	DTVP0374	PLN
HAAT 67.0 m, ATV ERP 81.0 kW			

FIGURE 1—OET-69 STUDY FOR KOBS-LP, SAN ANTONIO, TX (CHANNEL 19-)

	POPULATION	AREA (sq km)
within Noise Limited Contour	132243	7004.4
not affected by terrain losses	132243	6996.4
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.
27	KLDOTV	LAREDO TX	DTVPLN -NPLN1318

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	KLDO-DT	LAREDO TX	0.0	PLN	DTVPLN -DTVP0374
20	KAIO-DT	RIO GRANDE CITY TX	137.1	PLN	DTVPLN -DTVP0417
26	NEW	UVALDE TX	164.2	PLN	DTVPLN -NPLN1293
27	KORO-DT	CORPUS CHRISTI TX	186.6	PLN	DTVPLN -DTVP0691
27	KXAM-DT	LLANO TX	364.7	PLN	DTVPLN -DTVP0693
28	KORO	CORPUS CHRISTI TX	186.6	PLN	DTVPLN -NPLN1342

Results for: 27N TX LAREDO DTVPLN NPLN1318 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	132243	7004.4
not affected by terrain losses	132243	6972.3
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.
19	KLDO-TV	LAREDO TX	BMPCDT -20060112AEV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	KZTV-DT	CORPUS CHRISTI TX	194.5	PLN	DTVPLN -DTVP0326
18	KVAW-DT	EAGLE PASS TX	145.5	PLN	DTVPLN -DTVP0327
18	KVAW	EAGLE PASS TX	145.5	CP	BPCDT -20001101AAZ
19	KVCT	VICTORIA TX	276.1	CP	BPCT -20030212AAC
20	KAIO-DT	RIO GRANDE CITY TX	157.7	PLN	DTVPLN -DTVP0417
20	KLRN-DT	SAN ANTONIO TX	221.4	PLN	DTVPLN -DTVP0418
20	KPXL-TV	UVALDE TX	188.7	APP	BPRM -20040322AHN
19	KOBS-LP	SAN ANTONIO TX	224.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
19	KVCT	VICTORIA TX	DTVPLN -NPLN1060

FIGURE 1—OET-69 STUDY FOR KOBs-LP, SAN ANTONIO, TX (CHANNEL 19-)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KAVU-DT	VICTORIA TX	39.8	PLN	DTVPLN	-DTVP0198
16	KEDTTV	CORPUS CHRISTI TX	138.3	PLN	DTVPLN	-NPLN0970
18	KLRU	AUSTIN TX	190.0	PLN	DTVPLN	-NPLN1030
18	KZTV-DT	CORPUS CHRISTI TX	129.0	PLN	DTVPLN	-DTVP0326
19	KTXH-DT	HOUSTON TX	166.4	PLN	DTVPLN	-DTVP0373
19	KLDO-DT	LAREDO TX	287.4	PLN	DTVPLN	-DTVP0374
19	KLSBT	NACOGDOCHES TX	360.6	PLN	DTVPLN	-NPLN1059
20	KTXH	HOUSTON TX	166.4	PLN	DTVPLN	-NPLN1091
20	KLRN-DT	SAN ANTONIO TX	148.7	PLN	DTVPLN	-DTVP0418
23	KEDT-DT	CORPUS CHRISTI TX	138.3	PLN	DTVPLN	-DTVP0545
26	KRIV	HOUSTON TX	167.6	PLN	DTVPLN	-NPLN1292
27	KORO-DT	CORPUS CHRISTI TX	131.8	PLN	DTVPLN	-DTVP0691
34	KVCT-DT	VICTORIA TX	0.0	PLN	DTVPLN	-DTVP0958

Results for: 19N TX VICTORIA		DTVPLN	NPLN1060	PLN
		POPULATION	AREA (sq km)	
	within Noise Limited Contour	116955	7797.2	
	not affected by terrain losses	116955	7797.2	
	lost to NTSC IX	0	0.0	
	lost to additional IX by ATV	0	4.0	
	lost to all IX	0	4.0	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KVCT	VICTORIA TX	BPCT	-20030212AAC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KAVU-TV	VICTORIA TX	0.0	CP	BPCDT	-19991021ACQ
15	KAVU-DT	VICTORIA TX	56.0	PLN	DTVPLN	-DTVP0198
16	KEDT	CORPUS CHRISTI TX	139.3	LIC	BLET	-19831214KH
16	KHCE-TV	SAN ANTONIO TX	120.4	LIC	BLEDT	-20050209AKG
18	KLRU	AUSTIN TX	176.7	LIC	BLET	-19790424KG
18	KLRU	AUSTIN TX	176.7	APP	BPET	-20020429ABA
18	KZTV-DT	CORPUS CHRISTI TX	128.3	PLN	DTVPLN	-DTVP0326
19	KTXH-DT	HOUSTON TX	176.6	PLN	DTVPLN	-DTVP0373
19	KTXH	HOUSTON TX	175.9	LIC	BLCDT	-20020514AAE
19	KLDO-DT	LAREDO TX	277.3	PLN	DTVPLN	-DTVP0374
19	KLDO-TV	LAREDO TX	276.1	CP MOD	BMPCDT	-20060112AEV
19	KYTX	NACOGDOCHES TX	392.4	LIC	BLCT	-20040702AEV
20	KTXH	HOUSTON TX	175.9	LIC	BLCT	-20011205ABO
20	KLRN-DT	SAN ANTONIO TX	131.0	PLN	DTVPLN	-DTVP0418
23	KEDT	CORPUS CHRISTI TX	139.0	CP	BPEDT	-20000303AAG
23	KEDT-DT	CORPUS CHRISTI TX	139.3	PLN	DTVPLN	-DTVP0545
23	KHCE-TV	SAN ANTONIO TX	120.4	LIC	BLET	-20030318AGJ
26	KRIV	HOUSTON TX	177.9	LIC	BLCT	-19820429KK
26	KPXL	UVALDE TX	205.5	LIC	BLCT	-19990303KE
27	KORO	CORPUS CHRISTI TX	135.8	CP	BPCDT	-19991027ACG
27	KORO-DT	CORPUS CHRISTI TX	131.3	PLN	DTVPLN	-DTVP0691
34	KVCT-DT	VICTORIA TX	17.7	PLN	DTVPLN	-DTVP0958
19	KOBs-LP	SAN ANTONIO TX	149.5	APP	USERRECORD-01	

Total scenarios = 2



FIGURE 1—OET-69 STUDY FOR KOBS-LP, SAN ANTONIO, TX (CHANNEL 19-)

Result key: 5  
 Scenario 1 Affected station 4  
 Before Analysis

Results for: 19N TX VICTORIA	BPCT	20030212AAC	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	162264	16949.8	
not affected by terrain losses	161587	16945.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	165	116.5	
lost to all IX	165	116.5	

Potential Interfering Stations Included in above Scenario 1

19A TX HOUSTON DTVPLN DTVP0373 PLN

After Analysis

Results for: 19N TX VICTORIA	BPCT	20030212AAC	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	162264	16949.8	
not affected by terrain losses	161587	16945.7	
lost to NTSC IX	196	120.5	
lost to additional IX by ATV	165	116.5	
lost to all IX	361	237.0	

Potential Interfering Stations Included in above Scenario 1

19A TX HOUSTON	DTVPLN	DTVP0373	PLN	
19N TX SAN ANTONIO	USERRECORD01		APP	
*Percent new DTV interference without proposal:		0.1	BPCT	20030212AAC
*Percent new DTV interference with proposal:		0.2	BPCT	20030212AAC

Result key: 6  
 Scenario 2 Affected station 4  
 Before Analysis

Results for: 19N TX VICTORIA	BPCT	20030212AAC	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	162264	16949.8	
not affected by terrain losses	161587	16945.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2970	1016.2	
lost to all IX	2970	1016.2	

Potential Interfering Stations Included in above Scenario 2

19A TX HOUSTON BLCDT 20020514AAE LIC

After Analysis

Results for: 19N TX VICTORIA	BPCT	20030212AAC	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	162264	16949.8	

FIGURE 1—OET-69 STUDY FOR KOBS-LP, SAN ANTONIO, TX (CHANNEL 19-)

not affected by terrain losses	161587	16945.7
lost to NTSC IX	196	120.5
lost to additional IX by ATV	2970	1016.2
lost to all IX	3166	1136.7

Potential Interfering Stations Included in above Scenario 2

19A TX HOUSTON	BLCDDT	20020514AAE	LIC
19N TX SAN ANTONIO	USERRECORD01		APP
*Percent new DTV interference without proposal:		1.8	BPCT 20030212AAC
*Percent new DTV interference with proposal:		2.0	BPCT 20030212AAC

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	K20BW	SAN ANTONIO TX	BLTT	-19981014JC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KHCE-TV	SAN ANTONIO TX	39.8	LIC	BLEDT	-20050209AKG
16	KHCE-DT	SAN ANTONIO TX	14.8	PLN	DTVPLN	-DTVP0244
17	NEW	BLANCO TX	22.6	LIC	BPRM	-20020308ABT
17	KNIC-TV	BLANCO TX	20.5	LIC	BLCT	-20061003AFN
18	KLRU	AUSTIN TX	115.9	LIC	BLET	-19790424KG
18	KLRU	AUSTIN TX	116.2	APP	BPET	-20020429ABA
19	KOBS-LP	SAN ANTONIO TX	13.6	CP	BDISTTL	-20060320ADY
20	KADF-LP	AUSTIN TX	116.0	CP	BPTTL	-20060117ABJ
20	KTXH	HOUSTON TX	296.0	LIC	BLCT	-20011205ABO
20	KTLM	RIO GRANDE CITY TX	380.7	CP	BPCDT	-19991026ACA
20	KAIO-DT	RIO GRANDE CITY TX	344.3	PLN	DTVPLN	-DTVP0417
20	KLRN-DT	SAN ANTONIO TX	29.9	PLN	DTVPLN	-DTVP0418
20	KTXS-DT	SWEETWATER TX	353.4	PLN	DTVPLN	-DTVP0420
20	KPXL-TV	UVALDE TX	103.1	APP	BPRM	-20040322AHN
20	KWBU-TV	WACO TX	232.2	LIC	BLEDT	-20060622AAS
20	KCTF-DT	WACO TX	258.7	PLN	DTVPLN	-DTVP0421
21	KXAN-TV	AUSTIN TX	116.4	LIC	BLCDDT	-20050630AAG
21	KXAN-DT	AUSTIN TX	116.4	PLN	DTVPLN	-DTVP0459
21	KXTM-LP	SAN ANTONIO TX	14.1	APP	BSTA	-20060410AAR
21	KXTM-LP	SAN ANTONIO TX	39.3	LIC	BLTTL	-19980616JE
21	KXTM-LP	SAN ANTONIO TX	14.1	APP	BPTTA	-20050728AAA
22	KLRU	AUSTIN TX	115.9	LIC	BLEDT	-20040305ACK
22	KLRU-DT	AUSTIN TX	115.9	PLN	DTVPLN	-DTVP0505
23	KHCE-TV	SAN ANTONIO TX	39.8	LIC	BLET	-20030318AGJ
24	KVUE	AUSTIN TX	115.9	LIC	BLCT	-20050113ACX
27	KXAM-DT	LLANO TX	128.6	PLN	DTVPLN	-DTVP0693
27	KXAM-TV	LLANO TX	128.6	CP	BPCDT	-19991018AAV
35	KMYS	KERRVILLE TX	32.7	LIC	BLCT	-20060109AAH
19	KOBS-LP	SAN ANTONIO TX	10.7	APP	USERRECORD-01	

Total scenarios = 3

FIGURE 1—OET-69 STUDY FOR KOB5-LP, SAN ANTONIO, TX (CHANNEL 19-)

Result key: 7  
 Scenario 1 Affected station 5  
 Before Analysis

Results for: 20N TX SAN ANTONIO	BLTT	19981014JC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1067853	1126.1	
not affected by terrain losses	1061276	1122.1	
lost to NTSC IX	414864	654.9	
lost to additional IX by ATV	606240	435.3	
lost to all IX	1021104	1090.2	

Potential Interfering Stations Included in above Scenario 1

17N TX BLANCO	BPRM	20020308ABT	LIC
21N TX SAN ANTONIO	BLTTTL	19980616JE	LIC
23N TX SAN ANTONIO	BLET	20030318AGJ	LIC
35N TX KERRVILLE	BLCT	20060109AAH	LIC
20A TX SAN ANTONIO	DTVPLN	DTVP0418	PLN
19N TX SAN ANTONIO	BDISTTL	20060320ADY	CP

After Analysis

Results for: 20N TX SAN ANTONIO	BLTT	19981014JC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1067853	1126.1	
not affected by terrain losses	1061276	1122.1	
lost to NTSC IX	430736	658.9	
lost to additional IX by ATV	590368	431.3	
lost to all IX	1021104	1090.2	

Potential Interfering Stations Included in above Scenario 1

17N TX BLANCO	BPRM	20020308ABT	LIC
21N TX SAN ANTONIO	BLTTTL	19980616JE	LIC
23N TX SAN ANTONIO	BLET	20030318AGJ	LIC
35N TX KERRVILLE	BLCT	20060109AAH	LIC
20A TX SAN ANTONIO	DTVPLN	DTVP0418	PLN
19N TX SAN ANTONIO	USERRECORD01		APP
*Percent new DTV interference without proposal:	95.6	BLTT	19981014JC
*Percent new DTV interference with proposal:	95.6	BLTT	19981014JC

Result key: 8  
 Scenario 2 Affected station 5  
 Before Analysis

Results for: 20N TX SAN ANTONIO	BLTT	19981014JC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1067853	1126.1	
not affected by terrain losses	1061276	1122.1	
lost to NTSC IX	414864	654.9	
lost to additional IX by ATV	606240	435.3	
lost to all IX	1021104	1090.2	

FIGURE 1—OET-69 STUDY FOR KOBS-LP, SAN ANTONIO, TX (CHANNEL 19-)

Potential Interfering Stations Included in above Scenario 2

17N TX BLANCO	BPRM	20020308ABT	LIC
21N TX SAN ANTONIO	BLTTTL	19980616JE	LIC
23N TX SAN ANTONIO	BLET	20030318AGJ	LIC
35N TX KERRVILLE	BLCT	20060109AAH	LIC
20A TX SAN ANTONIO	DTVPLN	DTVP0418	PLN
20A TX UVALDE	BPRM	20040322AHN	APP
19N TX SAN ANTONIO	BDISTTL	20060320ADY	CP

After Analysis

Results for: 20N TX SAN ANTONIO	BLTT	19981014JC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1067853	1126.1	
not affected by terrain losses	1061276	1122.1	
lost to NTSC IX	430736	658.9	
lost to additional IX by ATV	590368	431.3	
lost to all IX	1021104	1090.2	

Potential Interfering Stations Included in above Scenario 2

17N TX BLANCO	BPRM	20020308ABT	LIC
21N TX SAN ANTONIO	BLTTTL	19980616JE	LIC
23N TX SAN ANTONIO	BLET	20030318AGJ	LIC
35N TX KERRVILLE	BLCT	20060109AAH	LIC
20A TX SAN ANTONIO	DTVPLN	DTVP0418	PLN
20A TX UVALDE	BPRM	20040322AHN	APP
19N TX SAN ANTONIO	USERRECORD01		APP
*Percent new DTV interference without proposal:	95.6	BLTT	19981014JC
*Percent new DTV interference with proposal:	95.6	BLTT	19981014JC

Result key: 9  
 Scenario 3 Affected station 5  
 Before Analysis

Results for: 20N TX SAN ANTONIO	BLTT	19981014JC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1067853	1126.1	
not affected by terrain losses	1061276	1122.1	
lost to NTSC IX	414864	654.9	
lost to additional IX by ATV	606240	435.3	
lost to all IX	1021104	1090.2	

Potential Interfering Stations Included in above Scenario 3

17N TX BLANCO	BPRM	20020308ABT	LIC
21N TX SAN ANTONIO	BLTTTL	19980616JE	LIC
23N TX SAN ANTONIO	BLET	20030318AGJ	LIC
35N TX KERRVILLE	BLCT	20060109AAH	LIC
20A TX SAN ANTONIO	DTVPLN	DTVP0418	PLN
19N TX SAN ANTONIO	BDISTTL	20060320ADY	CP

After Analysis

Results for: 20N TX SAN ANTONIO	BLTT	19981014JC	LIC
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FIGURE 1—OET-69 STUDY FOR KOB5-LP, SAN ANTONIO, TX (CHANNEL 19-)

	POPULATION	AREA (sq km)
within Noise Limited Contour	1067853	1126.1
not affected by terrain losses	1061276	1122.1
lost to NTSC IX	430736	658.9
lost to additional IX by ATV	590368	431.3
lost to all IX	1021104	1090.2

Potential Interfering Stations Included in above Scenario 3

17N TX BLANCO	BPRM	20020308ABT	LIC
21N TX SAN ANTONIO	BLTTL	19980616JE	LIC
23N TX SAN ANTONIO	BLET	20030318AGJ	LIC
35N TX KERRVILLE	BLCT	20060109AAH	LIC
20A TX SAN ANTONIO	DTVPLN	DTVP0418	PLN
19N TX SAN ANTONIO	USERRECORD01		APP
*Percent new DTV interference without proposal:		95.6	BLTT 19981014JC
*Percent new DTV interference with proposal:		95.6	BLTT 19981014JC

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Analysis of Interference to Affected Station 6

#### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
26	NEW	UVALDE TX	DTVPLN	-NPLN1293

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KVAW-DT	EAGLE PASS TX	90.6	PLN	DTVPLN	-DTVP0327
23	KHCE	SAN ANTONIO TX	103.8	PLN	DTVPLN	-NPLN1194
24	NEW	DEL RIO TX	131.0	PLN	DTVPLN	-NPLN1227
26	KRIV	HOUSTON TX	402.8	PLN	DTVPLN	-NPLN1292
26	KXXV-DT	WACO TX	341.9	PLN	DTVPLN	-DTVP0656
27	KLDOTV	LAREDO TX	164.2	PLN	DTVPLN	-NPLN1318
28	KTRG-DT	DEL RIO TX	129.9	PLN	DTVPLN	-DTVP0728
29	KABB	SAN ANTONIO TX	132.9	PLN	DTVPLN	-NPLN1368
30	KABB-DT	SAN ANTONIO TX	132.9	PLN	DTVPLN	-DTVP0805
41	KWEXTV	SAN ANTONIO TX	134.1	PLN	DTVPLN	-NPLN1610

Results for: 26N TX UVALDE		DTVPLN	NPLN1293	PLN
	POPULATION	AREA (sq km)		
within Noise Limited Contour	109144	25821.9		
not affected by terrain losses	107492	25400.6		
lost to NTSC IX	15362	1143.4		
lost to additional IX by ATV	1613	24.1		
lost to all IX	16975	1167.5		

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	KPXL	UVALDE TX	BLCT	-19990303KE

Stations Potentially Affecting This Station

FIGURE 1—OET-69 STUDY FOR KOBS-LP, SAN ANTONIO, TX (CHANNEL 19-)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KVCT	VICTORIA TX	205.5	CP	BPCT	-20030212AAC
23	KHCE-TV	SAN ANTONIO TX	85.1	LIC	BLET	-20030318AGJ
25	KAVU-TV	VICTORIA TX	205.5	LIC	BLCT	-20050311AEC
26	KRIV	HOUSTON TX	343.7	LIC	BLCT	-19820429KK
26	KXXV-DT	WACO TX	253.4	PLN	DTVPLN	-DTVP0656
26	KXXV	WACO TX	253.4	LIC	BLCDT	-20050630AFE
27	KXAM-DT	LLANO TX	126.3	PLN	DTVPLN	-DTVP0693
27	KXAM-TV	LLANO TX	126.3	CP	BPCDT	-19991018AAV
29	KABB	SAN ANTONIO TX	83.8	LIC	BLCT	-19880210KF
30	KABB-DT	SAN ANTONIO TX	83.8	PLN	DTVPLN	-DTVP0805
30	KABB	SAN ANTONIO TX	83.8	CP	BPCDT	-19991028AAR
41	KWEX-TV	SAN ANTONIO TX	84.7	LIC	BLCT	-19970331SG
19	KOBS-LP	SAN ANTONIO TX	56.1	APP	USERRECORD-01	

Proposal causes no interference

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