

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-26-2003 Time: 15:05:03

Record Selected for Analysis

KFTN USERRECORD-01 LAFERIA TX US
 Channel 19 ERP 87. kW HAAT 162. m RCAMSL 00174 m
 Latitude 026-08-28 Longitude 0097-50-04
 Status APP Zone 3 Border Offset Z
 Dir Antenna Make PSI Model PSILP240I Beam tilt N Ref Azimuth 300.
 Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	87.000	159.1	30.5
45.0	87.000	160.9	30.7
90.0	87.000	162.2	30.8
135.0	87.000	156.0	30.3
180.0	87.000	154.2	30.2
225.0	87.000	154.3	30.2
270.0	87.000	155.1	30.2
315.0	87.000	156.3	30.3

Evaluation from Class A Station

Contour overlap to station

KLDO-DT 19 LAREDO TX DTVPLN DTVP0374

Contour overlap to station

KLDO-TV 19 LAREDO TX BPCDT 19991025ACZ

Station inside contour of station

KTLM 20 RIO GRANDE CITY TX BPCDT 19991026ACA

Spacing violation to station

KVEO 23 BROWNSVILLE TX BLCT 20011128ADG

Site-to-site distance 4.6km

Contour Overlap Evaluation from Class A Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

NEW 19 LAREDO TX BNPTTL 20000830BME

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station
NEW 19 LAREDO TX BNPTTL20000830BME causes

Contour overlap to station

KFTN 19 LAFERIA TX USERRECORD01

Station
KTLN 20 RIO GRANDE CITY TX BPCDT19991026ACA

Station inside contour of Class A station

KFTN 19 LAFERIA TX USERRECORD01

Station
KLJ 34 HARLINGEN TX BPEDT19991021ABU

Station inside contour of Class A station

KFTN 19 LAFERIA TX USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is within the Mexican coordination distance

Distance to border = 8.7km

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
19	KFTN	LAFERIA TX	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	NEW	LAREDO TX	224.7	APP	BNPTTL	-20000830BME
19	KLDO-DT	LAREDO TX	224.7	PLN	DTVPLN	-DTVP0374
19	KLDO-TV	LAREDO TX	224.7	CP	BPCDT	-19991025ACZ
20	KTLM	RIO GRANDE CITY TX	23.8	CP	BPCDT	-19991026ACA
23	KVEO	BROWNSVILLE TX	4.6	LIC	BLCT	-20011128ADG

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	NEW	LAREDO TX	BNPTTL	-20000830BME

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KGNS-DT	LAREDO TX	24.4	PLN	DTVPLN	-DTVP0195
15	KGNS-TV	LAREDO TX	24.4	CP	BPCDT	-19991026ABK
19	KLDO-DT	LAREDO TX	0.0	PLN	DTVPLN	-DTVP0374
19	KLDO-TV	LAREDO TX	0.0	CP	BPCDT	-19991025ACZ
19	KVCT	VICTORIA TX	287.2	CP	BPCT	-19981202KE
19	KFTN	LAFERIA TX	224.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

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			
	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-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
18	KZTV	CORPUS CHRISTI TX	186.3	CP MOD	BMPCDT	-20000502AAO
18	KVAW	EAGLE PASS TX	165.8	CP	BPCDT	-20001101AAZ
19	KVCT	VICTORIA TX	287.2	CP	BPCT	-19981202KE
20	KTLM	RIO GRANDE CITY TX	209.3	CP	BPCDT	-19991026ACA
20	KAIO-DT	RIO GRANDE CITY TX	137.1	PLN	DTVPLN	-DTVP0417
19	KFTN	LAFERIA TX	224.7	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.
19	KLDO-TV	LAREDO TX	BPCDT	-19991025ACZ

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
18	KZTV	CORPUS CHRISTI TX	186.3	CP MOD	BMPCDT	-20000502AAO
18	KVAW	EAGLE PASS TX	165.8	CP	BPCDT	-20001101AAZ
19	KVCT	VICTORIA TX	287.2	CP	BPCT	-19981202KE
20	KTLM	RIO GRANDE CITY TX	209.3	CP	BPCDT	-19991026ACA
20	KAIO-DT	RIO GRANDE CITY TX	137.1	PLN	DTVPLN	-DTVP0417
19	KFTN	LAFERIA TX	224.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
20	KAIO-DT	RIO GRANDE CITY TX	DTVPLN	-DTVP0417

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KLDO-DT	LAREDO TX	137.1	PLN	DTVPLN	-DTVP0374
20	KLRN-DT	SAN ANTONIO TX	325.2	PLN	DTVPLN	-DTVP0418

Results for: 20A TX RIO GRANDE CITY DTVPLN DTVP0417 PLN
 HAAT 113.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	106037	10335.6
not affected by terrain losses	106037	10335.6
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.
40	KAIO	RIO GRANDE CITY TX	DTVPLN	-NPLN1596

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KMBH-DT	HARLINGEN TX	105.6	PLN	DTVPLN	-DTVP1069
39	NEW	LAREDO TX	139.6	PLN	DTVPLN	-NPLN1572
44	KLUJ	HARLINGEN TX	106.6	PLN	DTVPLN	-NPLN1671
48	KNVO	MCALLEN TX	84.8	PLN	DTVPLN	-NPLN1742

Results for: 40N TX RIO GRANDE CITY DTVPLN NPLN1596 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	106037	10335.6
not affected by terrain losses	106037	10327.6
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.
20	KTLM	RIO GRANDE CITY TX	BPCDT	-19991026ACA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KLDO-DT	LAREDO TX	209.3	PLN	DTVPLN	-DTVP0374
19	KLDO-TV	LAREDO TX	209.3	CP	BPCDT	-19991025ACZ
20	KLRN-DT	SAN ANTONIO TX	357.1	PLN	DTVPLN	-DTVP0418
19	KFTN	LAFERIA TX	23.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 5

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
23	KVEO	BROWNSVILLE TX	DTVPLN	-NPLN1192

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KEDTTV	CORPUS CHRISTI TX	174.8	PLN	DTVPLN	-NPLN0970
20	KAIO-DT	RIO GRANDE CITY TX	104.9	PLN	DTVPLN	-DTVP0417
23	KEDT-DT	CORPUS CHRISTI TX	174.8	PLN	DTVPLN	-DTVP0545
23	KHCE	SAN ANTONIO TX	390.4	PLN	DTVPLN	-NPLN1194
24	KVEO-DT	BROWNSVILLE TX	0.0	PLN	DTVPLN	-DTVP0585
31	KGBT-DT	HARLINGEN TX	5.7	PLN	DTVPLN	-DTVP0842
38	KMBH-DT	HARLINGEN TX	2.8	PLN	DTVPLN	-DTVP1069

Results for: 23N TX BROWNSVILLE	DTVPLN	NPLN1192	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	667428	19573.5	
not affected by terrain losses	667428	19565.5	
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.
23	KVEO	BROWNSVILLE TX	BLCT	-20011128ADG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KEDT	CORPUS CHRISTI TX	174.7	LIC	BLET	-19831214KH
20	KTLM	RIO GRANDE CITY TX	23.4	CP	BPCDT	-19991026ACA
20	KAIO-DT	RIO GRANDE CITY TX	104.8	PLN	DTVPLN	-DTVP0417
23	KEDT	CORPUS CHRISTI TX	175.0	CP	BPEDT	-20000303AAG
23	KEDT-DT	CORPUS CHRISTI TX	174.7	PLN	DTVPLN	-DTVP0545
23	KHCE	SAN ANTONIO TX	356.9	CP MOD	BMPET	-20011119ACB
24	KVEO	BROWNSVILLE TX	0.0	CP	BPCDT	-19991018AAY
24	KVEO-DT	BROWNSVILLE TX	0.1	PLN	DTVPLN	-DTVP0585

31	KGBT-DT	HARLINGEN TX	5.6	PLN	DTVPLN	-DTVP0842
38	960920YH	CORPUS CHRISTI TX	187.5	APP	BPCT	-19960920YH
38	960920LM	CORPUS CHRISTI TX	174.7	APP	BPCT	-19960920LM
38	960920IF	CORPUS CHRISTI TX	160.7	APP	BPCT	-19960920IF
38	960920ID	CORPUS CHRISTI TX	193.7	APP	BPCT	-19960920ID
38	960111LP	CORPUS CHRISTI TX	148.7	APP	BPCT	-19960111LP
38	960920YW	CORPUS CHRISTI TX	179.8	APP	BPCT	-19960920YW
38	960206KH	CORPUS CHRISTI TX	183.9	APP	BPCT	-19960206KH
38	960920IH	CORPUS CHRISTI TX	175.0	APP	BPCT	-19960920IH
38	KMBH	HARLINGEN TX	2.8	CP MOD	BMPEDT	-20000501AEU
38	KMBH-DT	HARLINGEN TX	2.8	PLN	DTVPLN	-DTVP1069
19	KFTN	LAFERIA TX	4.6	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
 Scenario 1 Affected station 5
 Before Analysis

Results for: 23N TX BROWNSVILLE	BLCT	20011128ADG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	667199	22817.1	
not affected by terrain losses	667199	22809.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	390	328.3	
lost to all IX	390	328.3	

Potential Interfering Stations Included in above Scenario 1

23A TX CORPUS CHRISTI	BPEDT	20000303AAG	CP
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After Analysis

Results for: 23N TX BROWNSVILLE	BLCT	20011128ADG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	667199	22817.1	
not affected by terrain losses	667199	22809.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	390	328.3	
lost to all IX	390	328.3	

Potential Interfering Stations Included in above Scenario 1

23A TX CORPUS CHRISTI	BPEDT	20000303AAG	CP
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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	KFTN	LAFERIA TX	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	NEW	LAREDO TX	224.7	APP	BNPTTL	-20000830BME
19	KLDO-DT	LAREDO TX	224.7	PLN	DTVPLN	-DTVP0374
19	KLDO-TV	LAREDO TX	224.7	CP	BPCDT	-19991025ACZ
19	KVCT	VICTORIA TX	305.3	CP	BPCT	-19981202KE
20	KZAV-LP	BROWNSVILLE TX	37.1	LIC	BLTTL	-19990218JC
20	KTLM	RIO GRANDE CITY TX	23.8	CP	BPCDT	-19991026ACA
20	KAIO-DT	RIO GRANDE CITY TX	103.7	PLN	DTVPLN	-DTVP0417
23	KVEO	BROWNSVILLE TX	4.6	LIC	BLCT	-20011128ADG
34	KLUJ	HARLINGEN TX	10.0	APP	BPEDT	-19991021ABU
34	KLUJ-DT	HARLINGEN TX	10.0	PLN	DTVPLN	-DTVP0957

Total scenarios = 1

Result key: 2
Scenario 1 Affected station 6
Before Analysis

Results for: 19N TX LAFERIA	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	249818	3368.1
not affected by terrain losses	249818	3368.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	380	28.0
lost to all IX	380	28.0

Potential Interfering Stations Included in above Scenario 1

20A TX RIO GRANDE CITY BPCDT 19991026ACA CP

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