

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-05-2004 Time: 08:26:39

Record Selected for Analysis

NEW USERRECORD-01 LUBBOCK TX US  
Channel 24 ERP 10. kW HAAT 231. m RCAMSL 01183 m  
Latitude 033-31-33 Longitude 0101-52-07  
Status APP Zone 2 Border Offset +  
Dir Antenna Make CDB Model 00000000017789 Beam tilt N Ref Azimuth 345.  
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	9.312	203.5	21.0
45.0	9.801	218.2	22.0
90.0	4.556	231.5	18.6
135.0	0.000	214.8	1.5
180.0	0.000	201.5	1.5
225.0	0.747	183.0	10.2
270.0	9.702	180.9	20.0
315.0	8.464	191.2	19.9

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Station inside contour of station

KPTB 25 LUBBOCK TX BPCDT 19991018ABK

Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

K24DU 24 DORA NM BLTT 19950526IG

Contour overlap to station  
NEW 24 FLOYDADA TX BNPTT 20000831AXC

Contour overlap to station  
NEW 24 PLAINVIEW TX BNPTTL 20000818ACH

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

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 beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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# Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
24	NEW	LUBBOCK TX	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	K24DU	DORA NM	140.6	LIC	BLTT	-19950526IG
24	NEW	FLOYDADA TX	73.7	APP	BNPTT	-20000831AXC
24	NEW	PLAINVIEW TX	76.7	APP	BNPTTL	-20000818ACH
25	KPTB	LUBBOCK TX	5.4	CP	BPCDT	-19991018ABK

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## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	K24DU	DORA NM	BLTT	-19950526IG

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KHFT-DT	HOBBS NM	128.6	PLN	DTVPLN	-DTVP0234
20	KVIH-TV	CLOVIS NM	36.8	CP	BPCDT	-19991029ACF
20	KVIH-DT	CLOVIS NM	36.8	PLN	DTVPLN	-DTVP0412
24	K24CT	ALAMOGORDO NM	262.2	LIC	BLTTL	-19980804JD
24	KNAT-TV	ALBUQUERQUE NM	322.5	CP	BPCDT	-19991101AHW
24	KNAT-DT	ALBUQUERQUE NM	322.5	PLN	DTVPLN	-DTVP0577
24	NEW	ROSWELL NM	124.5	APP	BNPTTL	-20000829AFN
24	K24GA	TUCUMCARI NM	145.0	CP	BNPTT	-20000829AOT
24	KTAB-TV	ABILENE TX	390.1	CP	BPCDT	-19991104AAU
24	KTAB-DT	ABILENE TX	390.1	PLN	DTVPLN	-DTVP0584
24	KPEJ	ODESSA TX	219.2	LIC	BLCT	-19940630KE
24	NEW	PLAINVIEW TX	139.1	APP	BNPTTL	-20000818ACH
27	KAMC	LUBBOCK TX	142.7	CP	BPCDT	-19990305KF
27	KAMC-DT	LUBBOCK TX	142.7	PLN	DTVPLN	-DTVP0694
28	KRPV-DT	ROSWELL NM	124.5	PLN	DTVPLN	-DTVP0718
28	KRPV	ROSWELL NM	124.5	CP	BPCDT	-19991018ABL
32	KENW	PORTALES NM	44.0	LIC	BLEDT	-20030219ADP
32	KENW-DT	PORTALES NM	45.2	PLN	DTVPLN	-DTVP0872
38	KOBR-DT	ROSWELL NM	67.6	PLN	DTVPLN	-DTVP1059
39	KTXT-DT	LUBBOCK TX	137.0	PLN	DTVPLN	-DTVP1107
24	NEW	LUBBOCK TX	140.6	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.
24	NEW	FLOYDADA TX	BNPTT	-20000831AXC

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KPCB	SNYDER TX	138.6	LIC	BLCT	-19970409KE
24	KOKH-DT	OKLAHOMA CITY OK	388.4	PLN	DTVPLN	-DTVP0581
24	KOKH-TV	OKLAHOMA CITY OK	388.4	CP MOD	BMPCDT	-20020807AAD
24	KTAB-TV	ABILENE TX	246.7	CP	BPCDT	-19991104AAU
24	KTAB-DT	ABILENE TX	246.7	PLN	DTVPLN	-DTVP0584
24	KPEJ	ODESSA TX	229.3	LIC	BLCT	-19940630KE
24	NEW	PLAINVIEW TX	60.2	APP	BNPTTL	-20000818ACH
24	K60BW	TURKEY, ETC. TX	48.9	CP	BPTT	-20010724AAG
25	KPTB-DT	LUBBOCK TX	68.4	PLN	DTVPLN	-DTVP0621
25	KPTB	LUBBOCK TX	68.4	CP	BPCDT	-19991018ABK
27	KAMC	LUBBOCK TX	73.2	CP	BPCDT	-19990305KF
27	KAMC-DT	LUBBOCK TX	73.2	PLN	DTVPLN	-DTVP0694
39	KTXT-DT	LUBBOCK TX	71.1	PLN	DTVPLN	-DTVP1107
24	NEW	LUBBOCK TX	73.7	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.
24	NEW	PLAINVIEW TX	BNPTTL	-20000818ACH

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	KVIH-TV	CLOVIS NM	128.4	CP	BPCDT	-19991029ACF
20	KVIH-DT	CLOVIS NM	128.3	PLN	DTVPLN	-DTVP0412
21	KACV-DT	AMARILLO TX	125.4	PLN	DTVPLN	-DTVP0458
23	KVII-DT	AMARILLO TX	128.8	PLN	DTVPLN	-DTVP0544
24	K24DP	SAN JON NM	137.0	LIC	BLTT	-19921228IH
24	KTAB-TV	ABILENE TX	302.6	CP	BPCDT	-19991104AAU

24	KTAB-DT	ABILENE TX	302.6	PLN	DTVPLN	-DTVP0584
24	NEW	FLOYDADA TX	60.2	APP	BNPTT	-20000831AXC
24	KPEJ	ODESSA TX	238.4	LIC	BLCT	-19940630KE
24	K60BW	TURKEY, ETC. TX	73.0	CP	BPTT	-20010724AAG
25	KPTB-DT	LUBBOCK TX	73.8	PLN	DTVPLN	-DTVP0621
25	KPTB	LUBBOCK TX	73.8	CP	BPCDT	-19991018ABK
25	K25CP	TULIA TX	38.0	CP	BMJPTT	-20000804ABO
27	KAMC	LUBBOCK TX	77.8	CP	BPCDT	-19990305KF
27	KAMC-DT	LUBBOCK TX	77.8	PLN	DTVPLN	-DTVP0694
31	KEYU	BORGER TX	122.2	CP MOD	BMPCDT	-20040107ABA
32	KENW	PORTALES NM	124.7	LIC	BLEDT	-20030219ADP
39	KTXT-DT	LUBBOCK TX	70.4	PLN	DTVPLN	-DTVP1107
24	NEW	LUBBOCK TX	76.7	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.
25	KPTB-DT	LUBBOCK TX	DTVPLN	-DTVP0621

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KPEJ	ODESSA TX	167.6	PLN	DTVPLN	-NPLN1228
25	NEW	CARLSBAD NM	238.0	PLN	DTVPLN	-NPLN1253
26	KMID-DT	MIDLAND TX	168.7	PLN	DTVPLN	-DTVP0655

Results for: 25A TX LUBBOCK DTVPLN DTVP0621 PLN  
 HAAT 83.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	234906	5190.9
not affected by terrain losses	234906	5190.9
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.
16	KPTB	LUBBOCK TX	DTVPLN -NPLN0972

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	KCIT-DT	AMARILLO TX	198.9	PLN	DTVPLN -DTVP0193
15	KWES-DT	ODESSA TX	199.6	PLN	DTVPLN -DTVP0196
16	KHFT-DT	HOBBS NM	150.3	PLN	DTVPLN -DTVP0234
16	KACB-DT	SAN ANGELO TX	250.6	PLN	DTVPLN -DTVP0243
17	KPCB	SNYDER TX	121.4	PLN	DTVPLN -NPLN1004
30	NEW	ODESSA TX	200.7	PLN	DTVPLN -NPLN1394

Results for: 16N TX LUBBOCK                      DTVPLN      NPLN0972      PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	234906	5190.9
not affected by terrain losses	234898	5178.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	16.1
lost to all IX	0	16.1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
25	KPTB	LUBBOCK TX	BPCDT -19991018ABK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
24	KPEJ	ODESSA TX	167.6	LIC	BLCT -19940630KE
25	KTEL-TV	CARLSBAD NM	253.2	LIC	BLCT -20000710AAZ
25	KTEL-TV	MORIARTY NM	365.3	APP	BPRM -20030818AFN
26	KMID-DT	MIDLAND TX	168.7	PLN	DTVPLN -DTVP0655
26	KMID	MIDLAND TX	168.8	CP	BPCDT -19991029ADE
24	NEW	LUBBOCK TX	5.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station      5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	NEW	LUBBOCK TX	USERRECORD-01

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	KHFT-DT	HOBBS NM	144.9	PLN	DTVPLN -DTVP0234
17	KPCB	SNYDER TX	122.5	LIC	BLCT -19970409KE
24	KTAB-TV	ABILENE TX	253.3	CP	BPCDT -19991104AAU
24	KTAB-DT	ABILENE TX	253.3	PLN	DTVPLN -DTVP0584
24	NEW	FLOYDADA TX	73.7	APP	BNPTT -20000831AXC
24	KPEJ	ODESSA TX	163.5	LIC	BLCT -19940630KE
24	NEW	PLAINVIEW TX	76.7	APP	BNPTTL -20000818ACH
25	KPTB-DT	LUBBOCK TX	5.4	PLN	DTVPLN -DTVP0621
25	KPTB	LUBBOCK TX	5.4	CP	BPCDT -19991018ABK
27	KAMC	LUBBOCK TX	2.2	CP	BPCDT -19990305KF
27	KAMC-DT	LUBBOCK TX	2.2	PLN	DTVPLN -DTVP0694
39	KTXT-DT	LUBBOCK TX	6.6	PLN	DTVPLN -DTVP1107

Total scenarios = 2

Result key: 1  
 Scenario 1 Affected station 5  
 Before Analysis

Results for: 24N TX LUBBOCK	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	207204	974.4
not affected by terrain losses	204118	966.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	784	8.1
lost to all IX	784	8.1

Potential Interfering Stations Included in above Scenario 1

25A TX LUBBOCK	DTVPLN	DTVP0621	PLN
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Result key: 2  
 Scenario 2 Affected station 5  
 Before Analysis

Results for: 24N TX LUBBOCK	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	207204	974.4

not affected by terrain losses	204118	966.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	784	8.1
lost to all IX	784	8.1

Potential Interfering Stations Included in above Scenario 2

25A TX LUBBOCK BPCDT 19991018ABK CP

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