

# TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-30-2003 Time: 23:22:38

Record Selected for Analysis

NEW BNPTTL -20000830AMP MIDLAND TX US  
 Channel 34 ERP 50. kW HAAT 00046 m RCAMSL 00885 m  
 Latitude 032-08-47 Longitude 0102-04-23  
 Status APP Zone Border M Offset +  
 Dir Antenna Make CDB Model 00000000044567 Beam tilt N Ref Azimuth 165.0  
 Last update 00000000 Cutoff date 20000831 Docket  
 Comments  
 Applicant PRISM BROADCASTING NETWORK, INC.

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	0.045	33.0	2.2
45.0	0.045	33.0	2.2
90.0	0.101	43.9	3.1
135.0	28.880	33.0	10.7
180.0	42.781	33.7	11.9
225.0	3.125	33.0	6.3
270.0	0.045	33.0	2.2
315.0	0.045	33.0	2.2

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

Station inside contour of station

KWAB-TV 33 BIG SPRING TX BPCDT 19991029ABC

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

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

NEW 34 ODESSA TX BNPTTL 20000818ABU

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

	Station		
NEW	34 HOBBS	NM BNPTT20000831BAF	causes

Contour overlap to station

NEW	34 MIDLAND	TX BNPTTL	20000830AMP
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	Station		
NEW	34 ODESSA	TX BNPTTL20000830BOI	causes

Contour overlap to station

NEW	34 MIDLAND	TX BNPTTL	20000830AMP
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	Station		
NEW	34 ODESSA	TX BNPTTL20000818ABU	causes

Contour overlap to station

NEW	34 MIDLAND	TX BNPTTL	20000830AMP
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	Station		
KTLD-LP	49 ODESSA	TX BMJPTTL20000830BQE	causes

Contour overlap to station

NEW	34 MIDLAND	TX BNPTTL	20000830AMP
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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 = 251.8km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Call	City/State	ARN	
34	NEW	MIDLAND TX	BNPTTL	20000830AMP

# Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KWAB-TV	BIG SPRING TX	60.2	CP	BPCDT	-19991029ABC
34	NEW	ODESSA TX	54.9	APP	BNPTTL	-20000818ABU

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# Analysis of Interference to Affected Station 1

## DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
33	KWAB-DT	BIG SPRING TX	DTVPLN	-DTVP0920

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	KTABTV	ABILENE TX	173.7	PLN	DTVPLN	-NPLN1437
33	KVUE-DT	AUSTIN TX	407.2	PLN	DTVPLN	-DTVP0918
33	KDAF	DALLAS TX	421.6	PLN	DTVPLN	-NPLN1459
34	KJTV	LUBBOCK TX	144.4	PLN	DTVPLN	-NPLN1484

Results for: 33A TX BIG SPRING DTVPLN DTVP0920 PLN

HAAT 116.0 m, ATV ERP 136.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	55046	12103.9
not affected by terrain losses	55042	12027.3
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.
04	KWAB	BIG SPRING TX	DTVPLN	-NPLN0321

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
03	KACBT	SAN ANGELO TX	118.2	PLN	DTVPLN	-NPLN0262
04	KAMRTV	AMARILLO TX	342.2	PLN	DTVPLN	-NPLN0320
04	KDFWTV	DALLAS TX	420.8	PLN	DTVPLN	-NPLN0322

Results for: 4N TX BIG SPRING DTVPLN NPLN0321 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	55046	12099.9
not affected by terrain losses	55034	11987.0
lost to NTSC IX	62	84.7
lost to additional IX by ATV	0	0.0
lost to all IX	62	84.7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	KWAB-TV	BIG SPRING TX	BPCDT	-19991029ABC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	KTAB-TV	ABILENE TX	173.7	LIC	BLCT	-19990329KF
33	KVUE	AUSTIN TX	407.1	APP	BPCDT	-19991025ADW
33	KVUE-DT	AUSTIN TX	407.2	PLN	DTVPLN	-DTVP0918
33	KDAF	DALLAS TX	422.3	LIC	BLCT	-20000821ACP
34	KJTV-TV	LUBBOCK TX	128.6	APP	BPCT	-20000511ABE
34	KJTV-TV	LUBBOCK TX	144.4	LIC	BLCT	-19820121KG
34	NEW	MIDLAND TX	60.2	APP	BNPTTL	-20000830AMP

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.
34	NEW	ODESSA TX	BNPTTL	-20000818ABU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KMID	MIDLAND TX	35.5	CP	BPCDT	-19991029ADE
26	KMID-DT	MIDLAND TX	35.6	PLN	DTVPLN	-DTVP0655
31	KOSA-DT	ODESSA TX	4.0	PLN	DTVPLN	-DTVP0845
33	KWAB-TV	BIG SPRING TX	112.4	CP	BPCDT	-19991029ABC
33	KWAB-DT	BIG SPRING TX	112.4	PLN	DTVPLN	-DTVP0920
34	NEW	CARLSBAD NM	166.9	APP	BNPTT	-20000830BEE
34	NEW	HOBBS NM	108.7	APP	BNPTT	-20000831BAF
34	KJTV-TV	LUBBOCK TX	175.2	APP	BPCT	-20000511ABE
34	KJTV-TV	LUBBOCK TX	194.0	LIC	BLCT	-19820121KG
34	NEW	MIDLAND TX	54.9	APP	BNPTTL	-20000830AMP
34	NEW	ODESSA TX	7.7	APP	BNPTTL	-20000830BOI
34	NEW	SAN ANGELO TX	203.7	APP	BNPTTL	-20000830AKF
38	KOCV-TV	ODESSA TX	15.1	LIC	BPRM	-20011221ABZ
38	KOCV-TV	ODESSA TX	15.1	CP MOD	BMPEDT	-20030212AAR

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.
34	NEW	MIDLAND TX	BNPTTL	-20000830AMP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KMID	MIDLAND TX	21.1	CP	BPCDT	-19991029ADE
26	KMID-DT	MIDLAND TX	21.2	PLN	DTVPLN	-DTVP0655
31	KOSA-DT	ODESSA TX	57.0	PLN	DTVPLN	-DTVP0845
33	KWAB-TV	BIG SPRING TX	60.2	CP	BPCDT	-19991029ABC
33	KWAB-DT	BIG SPRING TX	60.2	PLN	DTVPLN	-DTVP0920
34	NEW	HOBBS NM	117.1	APP	BNPTT	-20000831BAF
34	KJTV-TV	LUBBOCK TX	133.2	APP	BPCT	-20000511ABE
34	KJTV-TV	LUBBOCK TX	151.9	LIC	BLCT	-19820121KG
34	NEW	ODESSA TX	62.3	APP	BNPTTL	-20000830BOI
34	NEW	ODESSA TX	54.9	APP	BNPTTL	-20000818ABU
34	NEW	SAN ANGELO TX	171.1	APP	BNPTTL	-20000829AGR
34	NEW	SAN ANGELO TX	172.6	APP	BNPTTL	-20000831CIG
38	KOCV-TV	ODESSA TX	42.5	LIC	BPRM	-20011221ABZ
38	KOCV-TV	ODESSA TX	42.5	CP MOD	BMPEDT	-20030212AAR
49	KTLD-LP	ODESSA TX	20.9	APP	BMJPTTL	-20000830BQE
49	KTLD-LP	ODESSA TX	20.9	LIC	BLTTL	-19920414IB

Total scenarios = 2

Result key: 1  
Scenario 1 Affected station 3  
Before Analysis

Results for: 34N TX MIDLAND	BNPTTL	20000830AMP	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	889	127.7	
not affected by terrain losses	889	127.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	0	0.0	

Potential Interfering Stations Included in above Scenario 1

Result key: 2  
Scenario 2 Affected station 3  
Before Analysis

Results for: 34N TX MIDLAND	BNPTTL	20000830AMP	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	889	127.7	
not affected by terrain losses	889	127.7	
lost to NTSC IX	2	43.9	
lost to additional IX by ATV	0	0.0	
lost to all IX	2	43.9	

Potential Interfering Stations Included in above Scenario 2

34N TX LUBBOCK	BPCT	20000511ABE	APP
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