

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-04-2004 Time: 18:12:20

Record Selected for Analysis

NEW BNPTVL -20000831BXE LUBBOCK TX US
Channel 06 ERP 0.5 kW HAAT 00237 m RCAMSL 01183 m
Latitude 033-31-33 Longitude 0101-52- 7
Status APP Zone Border Offset +
Last update 00000000 Cutoff date 20000831 Docket
Comments
Applicant VENTURE TECHNOLOGIES GROUP, LLC

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)	62.0 dBu F(50,50) (km)
0.0	0.500	203.5	19.8
45.0	0.500	218.2	20.5
90.0	0.500	231.5	21.1
135.0	0.500	214.8	20.3
180.0	0.500	201.5	19.7
225.0	0.500	183.0	18.9
270.0	0.500	180.9	18.8
315.0	0.500	191.2	19.2

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

Station inside contour of station

KTXT-TV 5 LUBBOCK TX BLET 19861229KT

Contour overlap to station

KOCT 6 CARLSBAD NM BLCT 2553

Contour overlap to station

KIDY 6 SAN ANGELO TX BMLCT 19960717KG

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

Contour Overlap Evaluation from LPTV Station to LPTV Stations

No Spacing violations or contour overlap from LPTV station

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

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN	
06	NEW	LUBBOCK TX	BNPTVL	20000831BXE

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	KTXT-TV	LUBBOCK TX	6.6	LIC	BLET	-19861229KT
06	KOCT	CARLSBAD NM	232.3	LIC	BLCT	-2553
06	KIDY	SAN ANGELO TX	249.7	LIC	BMLCT	-19960717KG

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Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
05	KTXTTV	LUBBOCK TX	DTVPLN	-NPLN0382

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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Results for: 5N TX LUBBOCK

	DTVPLN	NPLN0382	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	363968	29283.9	
not affected by terrain losses	363691	28269.3	
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.
05	KTXT-TV	LUBBOCK TX	BLET	-19861229KT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
06	NEW	LUBBOCK TX	6.6	APP	BNPTVL	-20000831BXE

Proposal causes no interference

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Analysis of Interference to Affected Station 2

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
06	KOCT	CARLSBAD NM	DTVPLN	-NPLN0429

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
06	NEW	SILVER CITY NM	376.7	PLN	DTVPLN	-NPLN0430
06	KIDY	SAN ANGELO TX	372.1	PLN	DTVPLN	-NPLN0443

Results for: 6N NM CARLSBAD

	DTVPLN	NPLN0429	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	159743	36954.6	
not affected by terrain losses	152397	34131.1	
lost to NTSC IX	34091	1391.7	
lost to additional IX by ATV	0	0.0	
lost to all IX	34091	1391.7	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	KOCT	CARLSBAD NM	BLCT	-2553

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
06	KOBG-TV	SILVER CITY NM	376.8	LIC	BLCT	-20030226ABU
06	NEW	LUBBOCK TX	232.3	APP	BNPTVL	-20000831BXE

06 KIDY SAN ANGELO TX 372.1 LIC BMLCT -19960717KG

Proposal causes no interference

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Analysis of Interference to Affected Station 3

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
06	KIDY	SAN ANGELO TX	DTVPLN	-NPLN0443

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
06	KOCT	CARLSBAD NM	372.1	PLN	DTVPLN	-NPLN0429
06	KCENTV	TEMPLE TX	314.6	PLN	DTVPLN	-NPLN0444
06	KAUZTV	WICHITA FALLS TX	316.5	PLN	DTVPLN	-NPLN0446

Results for:	6N TX SAN ANGELO	DTVPLN	NPLN0443	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		144329	32053.3	
not affected by terrain losses		136035	30496.1	
lost to NTSC IX		9158	4093.4	
lost to additional IX by ATV		0	0.0	
lost to all IX		9158	4093.4	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	KIDY	SAN ANGELO TX	BMLCT	-19960717KG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
06	KOCT	CARLSBAD NM	372.1	LIC	BLCT	-2553
06	NEW	LUBBOCK TX	249.7	APP	BNPTVL	-20000831BXE
06	KCEN-TV	TEMPLE TX	314.6	LIC	BLCT	-19811231KH
06	KAUZ-TV	WICHITA FALLS TX	316.5	LIC	BLCT	-1576

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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06 NEW LUBBOCK TX BNPTVL -20000831BXE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	KTXT-TV	LUBBOCK TX	6.6	LIC	BLET	-19861229KT
06	KOCT	CARLSBAD NM	232.3	LIC	BLCT	-2553
06	KIDY	SAN ANGELO TX	249.7	LIC	BMLCT	-19960717KG
06	KAUZ-TV	WICHITA FALLS TX	310.6	LIC	BLCT	-1576

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 4
Before Analysis

Results for: 6N TX LUBBOCK BNPTVL 20000831BXE APP
POPULATION AREA (sq km)
within Noise Limited Contour 207464 1245.0
not affected by terrain losses 207464 1245.0
lost to NTSC IX 195839 1232.9
lost to additional IX by ATV 0 0.0
lost to all IX 195839 1232.9

Potential Interfering Stations Included in above Scenario 1

5N TX LUBBOCK BLET 19861229KT LIC

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