

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-04-2004 Time: 18:06:53

Record Selected for Analysis

NEW BNPTTL -20000831APB CHICO CA US
Channel 32 ERP 1. kW HAAT 00228 m RCAMSL 00290 m
Latitude 039-45-18 Longitude 0121-44-13
Status APP Zone Border Offset -
Dir Antenna Make CDB Model 00000000017776 Beam tilt N Ref Azimuth 70.0
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)	74.0 dBu F(50,50) (km)
0.0	1.000	33.0	4.7
45.0	0.874	33.0	4.5
90.0	0.902	33.0	4.6
135.0	0.990	88.9	7.7
180.0	0.009	206.3	2.9
225.0	0.000	227.1	1.5
270.0	0.000	226.5	1.5
315.0	0.118	153.3	5.9

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

No Spacing violations or contour overlap from LPTV station

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 32 CHICO CA BNPTTL 20000831BRW

Contour overlap to station

NEW 33 CHICO CA BNPTTL 20000830BTC

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station
 NEW 32 CHICO CA BNPTTL20000831BRW causes

Contour overlap to station

NEW 32 CHICO CA BNPTTL 20000831APB

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	Call	Proposed Station City/State	ARN
32	NEW	CHICO CA	BNPTTL 20000831APB

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	NEW	CHICO CA	9.5	APP	BNPTTL -20000831BRW
33	NEW	CHICO CA	4.9	APP	BNPTTL -20000830BTC

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	NEW	CHICO CA	BNPTTL -20000831BRW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	NEW	CHICO CA	9.5	APP	BNPTTL	-20000831APB
32	KION-TV	MONTEREY CA	354.1	APP	BPCDT	-19991201AAR
32	KION-DT	MONTEREY CA	354.1	PLN	DTVPLN	-DTVP0855
32	KION-TV	MONTEREY CA	354.1	LIC	BLCDT	-20030604ACO
32	931101KG	SAN FRANCISCO CA	224.3	APP	BPET	-19931101KG
32	KMTP-TV	SAN FRANCISCO CA	224.3	LIC	BLET	-19910910KE
32	970324KE	WEAVERVILLE CA	157.3	APP	BPET	-19970324KE
32	960920KV	WEAVERVILLE CA	165.6	APP	BPET	-19960920KV
32	KTVN-DT	RENO NV	189.3	PLN	DTVPLN	-DTVP0873
33	NEW	CHICO CA	4.7	APP	BNPTTL	-20000830BTC
34	KRCRTV	REDDING CA	120.4	LIC	BPRM	-20000412AAE
34	KRCR-TV	REDDING CA	120.4	CP	BPCDT	-20010201AAB
36	KNVN	CHICO CA	64.1	CP	BPCDT	-19991101AHM
36	KCPM-DT	CHICO CA	64.1	PLN	DTVPLN	-DTVP1003
47	NEW	CHICO CA	4.7	APP	BNPTTL	-20000830BTR

Proposal causes no interference

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	NEW	CHICO CA	BNPTTL	-20000830BTC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	NEW	CHICO CA	4.7	APP	BNPTTL	-20000831BRW
32	NEW	CHICO CA	4.9	APP	BNPTTL	-20000831APB
33	K33HV	CHICO CA	21.3	CP	BNPTTL	-20000731AFG
33	K33HH	REDDING CA	119.8	LIC	BLTTL	-20030507AAC

33	KMTP-TV	SAN FRANCISCO CA	227.3	CP	BPEDT	-20000501AGF
33	KMTP-DT	SAN FRANCISCO CA	227.2	PLN	DTVPLN	-DTVP0893
33	KFTS-DT	KLAMATH FALLS OR	263.1	PLN	DTVPLN	-DTVP0914
34	NEW	CHICO CA	4.7	APP	BNPTTL	-20000831BFK
34	KRCRTV	REDDING CA	121.4	LIC	BPRM	-20000412AAE
34	KRCR-TV	REDDING CA	121.4	CP	BPCDT	-20010201AAB
36	KNVN	CHICO CA	63.9	CP	BPCDT	-19991101AHM
36	KCPM-DT	CHICO CA	63.9	PLN	DTVPLN	-DTVP1003

Proposal causes no interference

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	NEW	CHICO CA	BNPTTL	-20000831APB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	K67CC	BOONVILLE, ETC. CA	157.6	CP	BPTT	-20011105ABR
32	NEW	CHICO CA	9.5	APP	BNPTTL	-20000831BRW
32	KION-TV	MONTEREY CA	358.1	APP	BPCDT	-19991201AAR
32	KION-DT	MONTEREY CA	358.1	PLN	DTVPLN	-DTVP0855
32	KION-TV	MONTEREY CA	358.1	LIC	BLCDT	-20030604ACO
32	931101KG	SAN FRANCISCO CA	230.7	APP	BPET	-19931101KG
32	KMTP-TV	SAN FRANCISCO CA	230.7	LIC	BLET	-19910910KE
32	970324KE	WEAVERVILLE CA	158.6	APP	BPET	-19970324KE
32	960920KV	WEAVERVILLE CA	165.3	APP	BPET	-19960920KV
32	KTVN-DT	RENO NV	182.4	PLN	DTVPLN	-DTVP0873
33	NEW	CHICO CA	4.9	APP	BNPTTL	-20000830BTC
33	K33HV	CHICO CA	16.5	CP	BNPTTL	-20000731AFG
34	KRCRTV	REDDING CA	122.0	LIC	BPRM	-20000412AAE

34	KRCR-TV	REDDING CA	122.0	CP	BPCDT	-20010201AAB
36	KNVN	CHICO CA	63.5	CP	BPCDT	-19991101AHM
36	KCPM-DT	CHICO CA	63.5	PLN	DTVPLN	-DTVP1003
47	NEW	CHICO CA	4.9	APP	BNPTTL	-20000830BTR

Total scenarios = 6

Result key: 1
 Scenario 1 Affected station 3
 Before Analysis

Results for: 32N CA CHICO	BNPTTL	20000831APB	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	692	88.0	
not affected by terrain losses	692	84.0	
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: 32N CA CHICO	BNPTTL	20000831APB	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	692	88.0	
not affected by terrain losses	692	84.0	
lost to NTSC IX	220	52.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	220	52.0	

Potential Interfering Stations Included in above Scenario 2

32N CA CHICO	BNPTTL	20000831BRW	APP
32N CA WEAVERVILLE	BPET	19970324KE	APP

Result key: 3
 Scenario 3 Affected station 3
 Before Analysis

Results for: 32N CA CHICO	BNPTTL	20000831APB	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	692	88.0	
not affected by terrain losses	692	84.0	
lost to NTSC IX	220	52.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	220	52.0	

Potential Interfering Stations Included in above Scenario 3

32N CA CHICO BNPTTL 20000831BRW APP
 32N CA WEAVERVILLE BPET 19960920KV APP

Result key: 4
 Scenario 4 Affected station 3
 Before Analysis

Results for: 32N CA CHICO BNPTTL 20000831APB APP
 POPULATION AREA (sq km)
 within Noise Limited Contour 692 88.0
 not affected by terrain losses 692 84.0
 lost to NTSC IX 220 52.0
 lost to additional IX by ATV 0 0.0
 lost to all IX 220 52.0

Potential Interfering Stations Included in above Scenario 4

32N CA CHICO BNPTTL 20000831BRW APP

Result key: 5
 Scenario 5 Affected station 3
 Before Analysis

Results for: 32N CA CHICO BNPTTL 20000831APB APP
 POPULATION AREA (sq km)
 within Noise Limited Contour 692 88.0
 not affected by terrain losses 692 84.0
 lost to NTSC IX 69 12.0
 lost to additional IX by ATV 0 0.0
 lost to all IX 69 12.0

Potential Interfering Stations Included in above Scenario 5

32N CA WEAVERVILLE BPET 19970324KE APP

Result key: 6
 Scenario 6 Affected station 3
 Before Analysis

Results for: 32N CA CHICO BNPTTL 20000831APB APP
 POPULATION AREA (sq km)
 within Noise Limited Contour 692 88.0
 not affected by terrain losses 692 84.0
 lost to NTSC IX 69 16.0
 lost to additional IX by ATV 0 0.0
 lost to all IX 69 16.0

Potential Interfering Stations Included in above Scenario 6

32N CA WEAVERVILLE BPET 19960920KV APP

Proposal fails scenario 2 received IX increased to 31.8%
 Proposal fails scenario 3 received IX increased to 31.8%
 Proposal fails scenario 4 received IX increased to 31.8%

Proposal fails scenario	5	received IX increased by	10.0%
Proposal fails scenario	6	received IX increased by	10.0%
Proposed station is MX 32N CA CHICO	BNPTTL	20000831APB	APP
Proposal MX with group in scenario	2	of station	3
Proposed station is MX 32N CA CHICO	BNPTTL	20000831APB	APP
Proposal MX with group in scenario	3	of station	3
Proposed station is MX 32N CA CHICO	BNPTTL	20000831APB	APP
Proposal MX with group in scenario	4	of station	3
Proposed station is MX 32N CA CHICO	BNPTTL	20000831APB	APP
Proposal MX with group in scenario	5	of station	3
Proposed station is MX 32N CA CHICO	BNPTTL	20000831APB	APP
Proposal MX with group in scenario	6	of station	3

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED