

# Summary Study

Census data selected: 2000

Post DTV Transition Database Selected

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-20-2009 Time: 18:06:48

Record Selected for Analysis

NEW XLAT USERRECORD-01 BROKWN BOW NE US  
 Channel 46 ERP 4.68 kW HAAT 81. m RCAMSL 00873 m SIMPLE MASK  
 Latitude 041-23-42 Longitude 0099-38-31  
 Status APP Zone 2 Border  
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.  
 Last update Cutoff date Docket  
 Comments  
 Applicant

Cell Size for Service Analysis 1.0 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)	51.0 dBu F(50,90) (km)
0.0	4.680	76.6	33.9
45.0	4.680	92.8	36.0
90.0	4.680	108.2	37.7
135.0	4.680	109.5	37.9
180.0	4.680	77.9	34.0
225.0	4.680	60.7	31.5
270.0	4.680	51.8	29.8
315.0	4.680	69.1	32.8

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

## LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet 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	Proposed Station Call	City/State	ARN
46	NEW XLAT	BROKWN BOW NE	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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45	K45II	GOTHENBURG NE	70.4	LIC	BLTTL	-20070620AEB
46	K46CY	STERLING CO	298.7	LIC	BLTT	-20030318ADO
46	K46FF	WRAY CO	263.8	LIC	BLTT	-20011009AAN
46	KTLJ-CA	JUNCTION CITY KS	352.4	APP	BMJPTTL	-20000829ATX
46	K46FG-D	FALLS CITY NE	359.1	LIC	BLDTT	-20081114ACM
46	KAZJ-LP	NORFOLK NE	203.5	CP	BDFCDTL	-20060331AEX
46	KAZJ-LP	NORFOLK NE	203.5	LIC	BLTTL	-20050204ABA
48	K48CH	NORFOLK NE	201.9	LIC	BLTT	-19880229IH
48	K0AZ-LP	O' NEILL NE	144.7	LIC	BLTTL	-20041015ACJ
50	K50JI	NORTH PLATTE NE	100.0	LIC	BLTTL	-20090317ADJ
50	K50JI	NORTH PLATTE NE	174.3	APP	BPTTL	-20090811ABH
53	K53GC	NELIGH NE	152.2	LIC	BLTT	-20020409AAB
53	K53IT	ORCHARD NE	154.5	CP	BNPTTL	-20000831BEP

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Study of this proposal found the following interference problem(s):

NONE.