

# Summary Study

Percent allowed new interference: 0.500  
 Percent allowed new interference to Class A: 0.500  
 Census data selected 2000  
 Post Transition Data Base Selected ./data\_files/pt\_tvdb.sff

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-26-2008 Time: 21:25:04

Record Selected for Analysis

KXNE-D.A USERRECORD-01 NORFOLK NE US  
 Channel 19 ERP 475. kW HAAT 322. m RCAMSL 00841 m  
 Latitude 042-14-15 Longitude 0097-16-41  
 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 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	154.327	324.5	83.8
45.0	76.762	340.7	80.7
90.0	468.373	356.6	95.8
135.0	53.148	338.4	78.1
180.0	222.232	301.9	83.9
225.0	337.558	306.5	87.8
270.0	28.048	313.4	72.1
315.0	390.758	295.1	87.5

## Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

## SPACING VIOLATION FOUND BETWEEN STATION

KXNE-D.A 19 NORFOLK NE USERRECORD01

and station

SHORT TO: KTVG 19 GRAND ISLAND NE DTVPLN DTVP0693  
 40 -43-44 98 -34-13  
 Req. separation 223.7 Actual separation 199.3 Short 24.4 km

SHORT TO: KTVG 19 GRAND ISLAND NE BPCDT 19991015ABA  
 040-43-44 0098-34-13  
 Req. separation 223.7 Actual separation 199.3 Short 24.4 km

SHORT TO: KXNE-TV 19 NORFOLK NE DTVPLN DTVP0694  
42 -14-15 97 -16-41  
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

SHORT TO: KXNE-TV 19 NORFOLK NE BLET 20040413ABI  
042-14-15 0097-16-41  
Req. separation 244.6 Actual separation 0.0 Short 244.6 km

SHORT TO: KSIN-TV 27 SIOUX CITY IA BLET 20021219AAC  
042-30-53 0096-18-15  
Req. separation => 24.1 <= 96.6 Actual separation 85.9 Short 10.7( 61.8) km

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
19	KXNE-D.A	NORFOLK NE	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KTVG	GRAND ISLAND NE	199.2	PLN	DTVPLN	-DTVP0693
19	KTVG	GRAND ISLAND NE	199.2	CP	BPCDT	-19991015ABA
19	KPRY-TV	PIERRE SD	304.0	LIC	BLCDT	-20021118ABY
19	KPRY-TV	PIERRE SD	304.0	PLN	DTVPLN	-DTVP0699
19	KPRY-TV	PIERRE SD	304.0	CP	BPCDT	-20080602ANS
20	KETV	OMAHA NE	146.4	LIC	BLCDT	-20041222AED
20	KETV	OMAHA NE	146.4	PLN	DTVPLN	-DTVP0734

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

NONE.