

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-14-2008 Time: 18:13:15

Record Selected for Analysis

KESD-D USERRECORD-01 BROOKINGS SD US  
 Channel 08 ERP 8.2 kW HAAT 230. m RCAMSL 00764 m  
 Latitude 044-20-16 Longitude 0097-13-42  
 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)	36.0 dBu F(50,90) (km)
0.0	8.200	225.3	87.0
45.0	8.200	215.7	86.2
90.0	8.200	219.8	86.6
135.0	8.200	228.7	87.2
180.0	8.200	231.2	87.4
225.0	8.200	235.5	87.7
270.0	8.200	244.0	88.2
315.0	8.200	236.0	87.7

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KESD-D 08 BROOKINGS SD USERRECORD01

and station

SHORT TO: KTTW-DT 07 SIOUX FALLS SD DTVPLN DTVP0036  
 43-29-20 96-45-40  
 Req. separation => 23.0 <= 110.0 Actual separation 101.5 Short 8.5( 78.5) km

SHORT TO: KTTW 07 SIOUX FALLS SD BMPCDT 20080213ACH  
 043-30-19 0096-34-19  
 Req. separation => 23.0 <= 110.0 Actual separation 106.5 Short 3.5( 83.5) km

SHORT TO: KTTW 07 SIOUX FALLS SD BMPCDT 20060613AAT  
 043-30-18 0096-33-22  
 Req. separation => 23.0 <= 110.0 Actual separation 107.1 Short 2.9( 84.1) km

SHORT TO: KABY-TV 09 ABERDEEN SD BLCT 19830930KL  
045-06-32 0097-53-30  
Req. separation => 11.0 <= 125.0 Actual separation 100.5 Short 24.5( 89.5) km

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  
08            KESD-D            BROOKINGS SD            USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KTTW-DT	SIOUX FALLS SD	101.5	PLN	DTVPLN	-DTVP0036
07	KTTW	SIOUX FALLS SD	106.4	APP	BMPCDT	-20080213ACH
07	KTTW	SIOUX FALLS SD	107.1	CP MOD	BMPCDT	-20060613AAT
08	KCCI	DES MOINES IA	405.8	LIC	BMLCT	-20050628ACB
08	KLKN	LINCOLN NE	384.0	LIC	BLCT	-19960708KK
08	KZSD-TV	MARTIN SD	360.8	LIC	BLET	-20070202AAO
08	KZSD-TV	MARTIN SD	360.8	APP	BSTA	-20080214AEE
08	KZSD-TV	MARTIN SD	360.8	CP	BPEDT	-20080214ADA
09	KCAU-TV	SIOUX CITY IA	210.6	LIC	BLCT	-2442
09	KABY-TV	ABERDEEN SD	100.4	LIC	BLCT	-19830930KL

%%%

Study of this proposal found the following interference problem(s):  
  
NONE.