

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-10-2008 Time: 13:02:15

Record Selected for Analysis

KDSD-D USERRECORD-01 ABERDEEN SD US  
Channel 17 ERP 37.8 kW HAAT 347. m RCAMSL 00871 m  
Latitude 045-29-54 Longitude 0097-40-28  
Status APP Zone 2 Border  
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth  
270.  
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	32.133	342.2	75.3
45.0	11.748	323.5	67.9
90.0	2.195	319.5	58.5
135.0	11.748	308.6	67.0
180.0	32.133	327.7	74.0
225.0	33.685	347.1	76.0
270.0	37.800	403.7	81.0
315.0	33.685	407.2	80.5

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KDSD-D 17 ABERDEEN SD USERRECORD01

and station

SHORT TO: KDSD-TV 17 ABERDEEN SD BDTV 1418  
45 -29-55 097 -40-35

Req. separation 223.7 Actual separation 0.2 Short 223.5 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 389.2km

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
17	KDSD-D	ABERDEEN SD	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
17	KDSD-D	ABERDEEN SD	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
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Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 1  
Before Analysis

Results for: 17A SD ABERDEEN USERRECORD01 APP  
HAAT 347.0 m, ATV ERP 37.8 kW  
POPULATION AREA (sq km)

within Noise Limited Contour	65196	17921.9
not affected by terrain losses	60999	17266.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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