

Greg Best
Consulting, Inc.
9223 N. Manning Ave.
Kansas City, MO 64157
816-792-2913

December 1, 2008

Federal Communications Commission
Media Bureau
445 12th Street SW
Washington DC 20554

Dear Sir,

This letter will provide additional information concerning an amendment to the phased-transition STA for KDIN. In particular, it will address the necessary changes to reduce the interference to the 0.5 % limit established to authorized facilities.

This amendment consists of reducing the transmitter power appropriately to reach an Effective Radiated Power (ERP) of 404 kW for KDIN operation on channel 50. No other changes to the transmission system parameters for the authorized channel 50 operation are necessary. KDIN channel 50 will continue to use the same omnidirectional antenna as that listed on BLEDT20050218ABR.

The attached interference analysis characterizes the predicted interference that does indeed fall below the 0.5% limit.

The attached coverage map shows the service contours for the KDIN-DT channel 50 licensed facility, KDIN analog channel 11, and proposed KDIN-DT STA channel 50 facilities. Although the contour coverage in some of the DTV overall area is reduced by approximately 3 km, the analog coverage area is easily replicated and no creation of "white space" (when compared to the analog signal Grade B coverage) is expected during the phased transition time period. According to Longley-Rice the difference in population served is 1.6% less based upon no interference from other sources (i.e. based only on noise limited propagation).

If you have any questions, I will be glad to answer them.

Sincerely,



President

Attachments

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 11-04-2008 Time: 12:45:32

Record Selected for Analysis

KDIN USERRECORD-01 DES MOINES IA US
Channel 50 ERP 404. kW HAAT 593. m RCAMSL 00886 m
Latitude 041-49-47 Longitude 0093-36-56
Status APP Zone 2 Border
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 does not meet maximum height/power limits
Channel 50 ERP = 404.00 HAAT = 593.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	404.000	581.2	111.2
45.0	404.000	598.5	112.1
90.0	404.000	615.0	112.8
135.0	404.000	587.2	111.5
180.0	404.000	594.1	111.9
225.0	404.000	606.0	112.4
270.0	404.000	590.2	111.7
315.0	404.000	571.8	110.7

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

No spacing violations found to other full service stations

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

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
50	KDIN	DES MOINES IA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
50	K50EG	COLUMBUS, ETC. NE	278.1	LIC	BLTTL	-19950807JV
50	WISC-TV	MADISON WI	361.3	APP	BLCDT	-20050701ABU
50	WISC-TV	MADISON WI	361.3	PLN	DTVPLN	-DTVP1782
50	WISC-TV	MADISON WI	361.3	CP	BPCDT	-19991027ABG
51	KGAN	CEDAR RAPIDS IA	154.7	CP MOD	BMPCDT	-20020911AAM
51	KGAN	CEDAR RAPIDS IA	154.7	PLN	DTVPLN	-DTVP1794

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Analysis of Interference to Affected Station 5

Channel	Call	City/State	Application	Ref. No.
51	KGAN	CEDAR RAPIDS IA	BMPCDT	-20020911AAM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
50	WISC-TV	MADISON WI	206.8	APP	BLCDT	-20050701ABU
50	WISC-TV	MADISON WI	206.8	PLN	DTVPLN	-DTVP1782
50	WISC-TV	MADISON WI	206.8	CP	BPCDT	-19991027ABG
51	WPWR-TV	GARY IN	351.6	LIC	BLCDT	-20050425ACE
51	WPWR-TV	GARY IN	351.6	PLN	DTVPLN	-DTVP1795
50	KDIN	DES MOINES IA	154.7	APP	USERRECORD-01	

Total scenarios = 4

Result key: 1

Scenario 1 Affected station 5

Before Analysis

Results for: 51A IA CEDAR RAPIDS	BMPCDT	20020911AAM	CP
HAAT 585.0 m, ATV ERP 500.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	927757	38713.1	
not affected by terrain losses	901334	38205.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	823	68.5	
lost to ATV IX only	823	68.5	
lost to all IX	823	68.5	

Potential Interfering Stations Included in above Scenario 1

51A IN GARY	BLCDT	20050425ACE	LIC
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After Analysis

Results for: 51A IA CEDAR RAPIDS BMPCDT 20020911AAM CP
HAAT 585.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	927757	38713.1
not affected by terrain losses	901334	38205.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4604	286.3
lost to ATV IX only	4604	286.3
lost to all IX	4604	286.3

Potential Interfering Stations Included in above Scenario 1

51A IN GARY BLCDT 20050425ACE LIC
50A IA DES MOINES USERRECORD01 APP

Percent new IX = 0.4199%

Result key: 2
Scenario 2 Affected station 5
Before Analysis

Results for: 51A IA CEDAR RAPIDS BMPCDT 20020911AAM CP
HAAT 585.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	927757	38713.1
not affected by terrain losses	901334	38205.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	823	68.5
lost to ATV IX only	823	68.5
lost to all IX	823	68.5

Potential Interfering Stations Included in above Scenario 2

51A IN GARY DTVPLN DTVP1795 PLN

After Analysis

Results for: 51A IA CEDAR RAPIDS BMPCDT 20020911AAM CP
HAAT 585.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	927757	38713.1
not affected by terrain losses	901334	38205.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4604	286.3
lost to ATV IX only	4604	286.3
lost to all IX	4604	286.3

Potential Interfering Stations Included in above Scenario 2

51A IN GARY DTVPLN DTVP1795 PLN
50A IA DES MOINES USERRECORD01 APP

Percent new IX = 0.4199%

Result key: 3
Scenario 3 Affected station 5
Before Analysis

Results for: 51A IA CEDAR RAPIDS BMPCDT 20020911AAM CP
HAAT 585.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	927757	38713.1
not affected by terrain losses	901334	38205.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	823	68.5

lost to ATV IX only	823	68.5
lost to all IX	823	68.5

Potential Interfering Stations Included in above Scenario 3

51A IN GARY BLCDT 20050425ACE LIC

After Analysis

Results for: 51A IA CEDAR RAPIDS BMPCDT 20020911AAM CP
HAAT 585.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	927757	38713.1
not affected by terrain losses	901334	38205.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4604	286.3
lost to ATV IX only	4604	286.3
lost to all IX	4604	286.3

Potential Interfering Stations Included in above Scenario 3

51A IN GARY BLCDT 20050425ACE LIC
50A IA DES MOINES USERRECORD01 APP

Percent new IX = 0.4199%

Result key: 4
Scenario 4 Affected station 5
Before Analysis

Results for: 51A IA CEDAR RAPIDS BMPCDT 20020911AAM CP
HAAT 585.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	927757	38713.1
not affected by terrain losses	901334	38205.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	823	68.5
lost to ATV IX only	823	68.5
lost to all IX	823	68.5

Potential Interfering Stations Included in above Scenario 4

51A IN GARY DTVPLN DTVP1795 PLN

After Analysis

Results for: 51A IA CEDAR RAPIDS BMPCDT 20020911AAM CP
HAAT 585.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	927757	38713.1
not affected by terrain losses	901334	38205.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4604	286.3
lost to ATV IX only	4604	286.3
lost to all IX	4604	286.3

Potential Interfering Stations Included in above Scenario 4

51A IN GARY DTVPLN DTVP1795 PLN
50A IA DES MOINES USERRECORD01 APP

Percent new IX = 0.4199%

Worst case new IX 0.4199% Scenario 1

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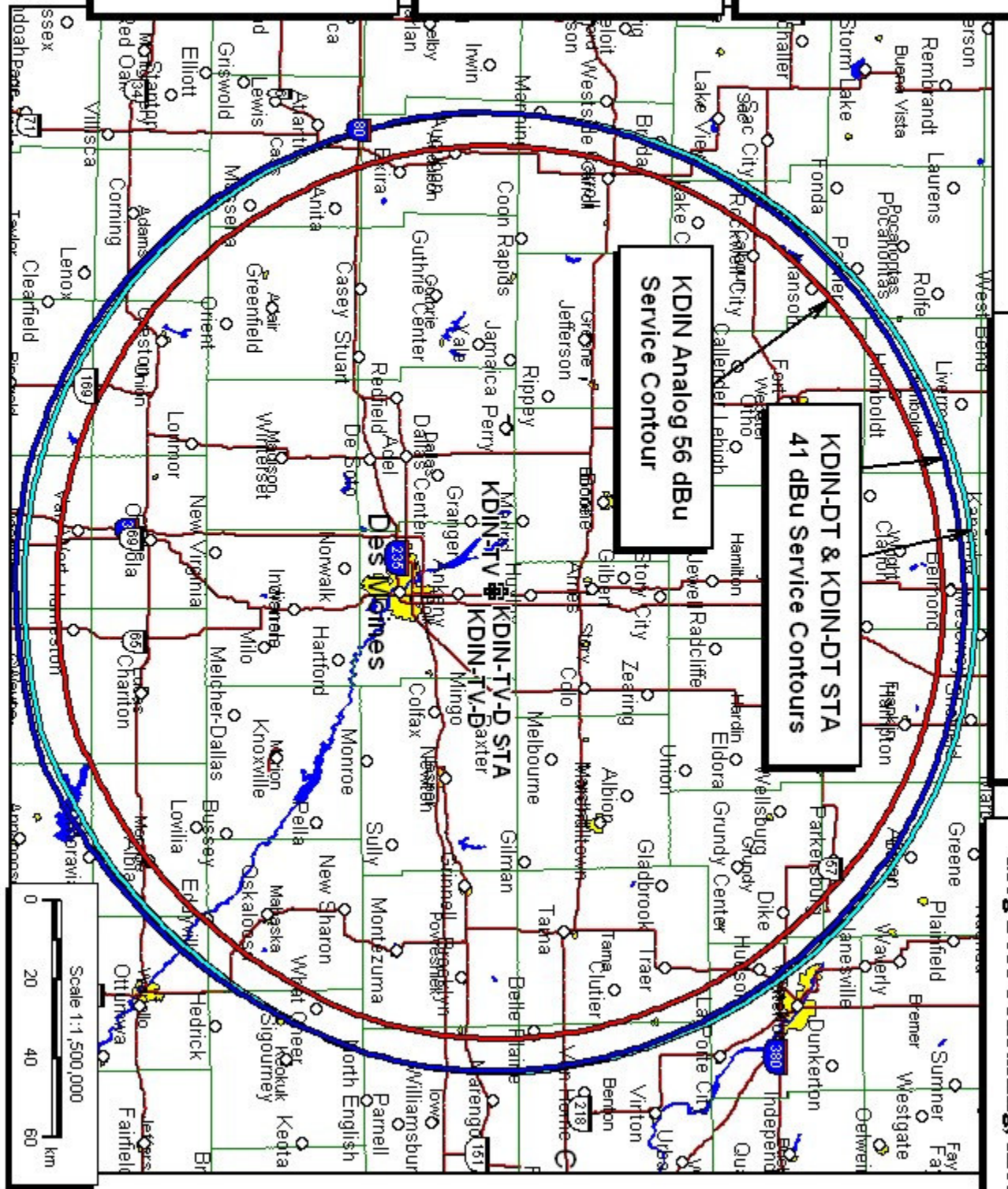
KDIN CONTOUR COVERAGE MAP

Greg Best Consulting, Inc.

KDIN-TV-D
 BLEDT20050218ABR
 Latitude: 41-49-47 N
 Longitude: 093-36-56 W
 ERP: 966.00 kW
 Channel: 50
 Frequency: 689.0 MHz
 AMSL Height: 886.0 m
 Elevation: 304.0 m
 Horiz. Pattern: Omni
 Vert. Pattern: Yes
 Elec Tilt: 0.75

KDIN-TV-D STA
 Latitude: 41-49-47 N
 Longitude: 093-36-56 W
 ERP: 404.00 kW
 Channel: 50
 Frequency: 689.0 MHz
 AMSL Height: 886.0 m
 Elevation: 304.0 m
 Horiz. Pattern: Omni
 Vert. Pattern: Yes
 Elec Tilt: 0.75

KDIN-TV
 BLET19860923KM
 Latitude: 41-48-33 N
 Longitude: 093-36-53 W
 ERP: 316.00 kW
 Channel: 11+
 Frequency: 204.5 MHz
 AMSL Height: 893.0 m
 Elevation: 301.0 m
 Horiz. Pattern: Omni
 Vert. Pattern: Yes
 Elec Tilt: 0.9



KDIN-TV-D
 KDIN-TV-D STA
 KDIN-TV