

KZDX(FM)
Burley, ID
Proposed Minor Modification
Of Licensed Facility

Application Overview:

KZDX(FM) (FCC Facility ID# 42885) proposes to implement MB Docket 05-243 and modify its currently Licensed Facilities using the following parameters:

Tech Box:

Channel:	228
Class:	C
Antenna Coordinates:	N42-20-06, W113-36-15 (NAD 27)
ASRN:	N/A
Tower Height AMSL:	60.6 m
COR AMSL:	2536 m
COR AGL:	42 m
COR HAAT:	747 m
ERP:	63 kW
Directional Antenna:	Yes - see Exhibit 7

Antenna Site City-Grade Coverage:

Exhibit 4 demonstrates that the proposed facility's antenna site provides city grade coverage of KZDX(FM)'s community of license – Burley, ID. As can be seen in the Exhibit, 100% of Burley's community boundaries are encompassed by the F(50,50) 70 dBu contour of

the proposed facility. Also, no major terrain obstructions are located between the antenna site and the community.

Interference Study (Requesting Section 73.215 Contour Protection and LPFM Conflict):

Exhibit 5 is a channel spacings study from the proposed KZDX(FM) antenna site. It notes that the proposed KZDX(FM) antenna site would otherwise be slightly shortspaced to:

-KUBL-FM Salt Lake City, UT 227C (see BLH-20021203ACG)

Therefore, the applicant requests Section 73.215 contour protection processing towards KUBL-FM.

KZDX(FM) is eligible to request 73.215 Contour Protection towards KUBL-FM as it complies with the minimum separation requirements on its first adjacent channel at its proposed antenna site. The channel spacings study in Exhibit 5 shows that the proposed KZDX(FM) 228C antenna location is spaced 219.88 kilometers from the KUBL-FM site. In order to be eligible for 73.215 Contour Protection, the minimum “C to C” spacing for first adjacent channel stations must be at least 209 kilometers. The proposed KZDX(FM) 228C antenna site satisfies this requirement by 10.88 kilometers.

Using the facilities proposed herein, KZDX(FM) 228C complies with the contour protection requirements of Section 73.215 towards KUBL-FM. The attached overlap tabulation studies and overlap map in Exhibit 5A demonstrates that this application complies with the contour protection requirements of Section 73.215.

In reviewing the attached studies, it should be noted that since KUBL-FM does not utilize maximum Class C facilities, the following overlap studies were conducted assuming “Maximized” Class C Facilities for KUBL-FM (100 kW at an HAAT of 600 meters).

Using the KZDX(FM) 228C technical parameters proposed in this application, Exhibit 5A demonstrates that the proposed KZDX(FM) F(50,50) 60 dBu Protected Contour does not overlap the F(50,10) 54 dBu Interfering Contour of KUBL-FM operations on Channel 227C. Likewise, Exhibit 5A demonstrates that the F(50,50) 60 dBu Protected Contour for KUBL-FM does not overlap the proposed F(50,10) 54 dBu Interfering Contour of the instant KZDX(FM) application on 228C. Therefore, it appears as though the instant application meets the requirements of Section 73.215 towards KUBL-FM.

It should also be noted that the proposed facility is otherwise shortspaced to the following LPFM facility:

-KUMC-LP Rupert, ID 227L1 (see BLL-20030603AEK)

The Applicant’s engineers have conducted a channel study for this LPFM and have identified the following available channels for KUMC-LP at its presently licensed site (see Exhibit 5B for Channel Studies):

Available Fully Spaced LPFM Channels: 266, 267, 269, 299, 300

Downward Radiation Study (Measure Upon Construction)

Due to the fact that several existing and proposed emitters are located at or near the site, the applicant agrees to conduct a Radiofrequency Electromagnetic Field survey at the site upon construction of the proposed facility to ensure that any areas at ground level that exceed the Commission's exposure guideline values are appropriately marked and fenced. The results of the survey will be provided with the application for license.

Even though the site will fully comply with the Uncontrolled Site Standards, access to the transmitting site will be restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.

Existing Tower:

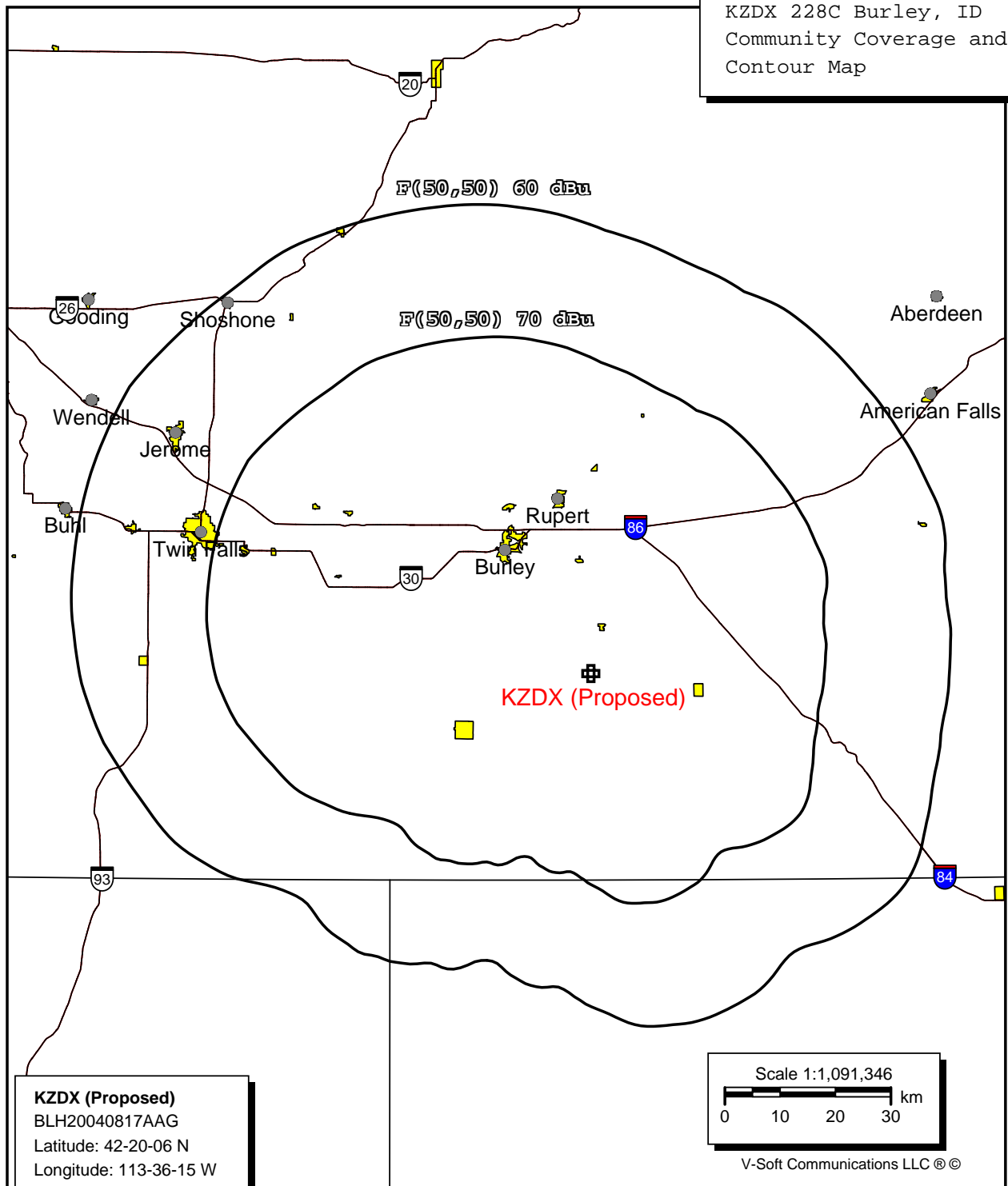
The proposed facility is exempt from environmental processing because the facility is not located at a location specified in Section 1.1307(a)(1)-(8) of the Commission's Rules and since the tower in question already exists.

Exhibit 4

Proposed Antenna Site Contour Map:

**F(50,50) Protected Contour
F(50,50) City-Grade Contour**

KZDX 228C Burley, ID
Community Coverage and
Contour Map



KZDX (Proposed)
BLH20040817AAG
Latitude: 42-20-06 N
Longitude: 113-36-15 W
ERP: 63.00 kW
HAAT: 746.8 m
Channel: 228 C
Frequency: 93.5 MHz
AMSL Height: 2536.0 m
Elevation: 2494.1 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

Scale 1:1,091,346
0 10 20 30 km
V-Soft Communications LLC ©

Exhibit 5

Proposed Antenna Site Channel Spacings Study

KZDX(FM) 228C Burley, ID
Section 73.207 Antenna Site Spacings Study

REFERENCE
42 20 06.0 N.
113 36 15.0 W.

CLASS = C
Current Spacings

DISPLAY DATES
DATA 02-26-08
SEARCH 03-02-08

----- Channel 228 - 93.5 MHz -----

Call	Channel	Location	Azi	Dist	FCC	Margin
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RADD	ADD	228C	Burley	ID	326.5	21.01	289.5	-268.49
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Of Note:

Channel 228C was added at Burley for use by KZDX(FM) in MB Docket 05-243.

RDEL	DEL	229C	Pocatello	ID	56.2	107.23	240.5	-133.27
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KZBQ	LIC	229C	Pocatello	ID	56.2	107.23	240.5	-133.27
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KZBQ	CP	229C0	Pocatello	ID	56.2	106.72	219.5	-112.78
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Of No Concern:

Channel 229C (and 229C0) was deleted from Pocatello and Channel 230C was added at Pocatello for KZBQ(FM)'s use.

KUMC-LP	LIC	227L1	Rupert	ID	349.1	31.99	119.5	-87.51
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Of Concern:

Displacement of KUMC-LP requested to one of the following channels: 266, 267, 269, 299, or 300. Channel studies for KUMC also included herein on these channels.

KUBL-FM	LIC	227C	Salt Lake City	UT	147.4	219.88	240.5	-20.62
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Of Concern:

Section 73.215 Contour Protection requested towards KUBL-FM.

RADD	ADD	230C	Pocatello	ID	56.2	107.23	104.5	2.73
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KJAX	LIC	227C	Jackson	WY	60.7	264.38	240.5	23.88
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KBLQ-FM	LIC	225C1	Logan	UT	108.6	157.18	104.5	52.68
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KLKO	LIC	229C2	Elko	NV	230.7	244.15	187.5	56.65
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Exhibit 5A

Section 73.215 Contour Overlap Tabulations and Contour Overlap Map

KZDX(FM) 228C

vs:

KUBL-FM 227C

03-02-2008

NGDC 30 SEC Terrain Data

FMOver Analysis

KZDX

Channel = 228C

Max ERP = 63 kW

RCAMSL = 2536 M

N. Lat. 42 20 06.0

W. Lng. 113 36 15.0

Protected

60 dBu

KUBL-FM

BLH20021203ACG

Channel = 227C

Max ERP = 100 kW

RCAMSL = 2188.15 M

N. Lat. 40 39 34.0

W. Lng. 112 12 05.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
087.0	005.6700	0690.8	065.0	344.9	100.0000	0750.7	196.6	42.05
088.0	005.6700	0688.4	064.9	344.8	100.0000	0750.4	195.5	42.26
089.0	005.6700	0686.0	064.8	344.7	100.0000	0750.1	194.4	42.46
090.0	005.6700	0683.5	064.7	344.5	100.0000	0749.8	193.3	42.66
091.0	005.6700	0681.8	064.7	344.4	100.0000	0749.5	192.3	42.85
092.0	005.6700	0681.4	064.7	344.3	100.0000	0749.2	191.2	43.04
093.0	005.6700	0679.6	064.6	344.2	100.0000	0748.8	190.1	43.23
094.0	005.6700	0677.0	064.5	344.0	100.0000	0748.4	189.1	43.41
095.0	005.6700	0675.2	064.4	343.9	100.0000	0748.0	188.1	43.59
096.0	005.6700	0672.0	064.3	343.7	100.0000	0747.6	187.1	43.76
097.0	005.6700	0668.5	064.2	343.6	100.0000	0747.1	186.1	43.94
098.0	005.6700	0666.4	064.1	343.4	100.0000	0746.6	185.1	44.11
099.0	005.6700	0665.8	064.1	343.3	100.0000	0746.2	184.1	44.29
100.0	005.6700	0666.4	064.1	343.1	100.0000	0745.8	183.1	44.48
101.0	005.6700	0670.4	064.3	343.0	100.0000	0745.5	182.1	44.67
102.0	005.6700	0674.0	064.4	342.8	100.0000	0745.1	181.0	44.87
103.0	005.6700	0675.8	064.5	342.7	100.0000	0744.7	180.0	45.06
104.0	005.6700	0677.9	064.5	342.5	100.0000	0744.3	179.0	45.26
105.0	005.6700	0679.6	064.6	342.3	100.0000	0743.9	178.0	45.46
106.0	005.6700	0680.7	064.6	342.1	100.0000	0743.4	177.1	45.66
107.0	005.6700	0684.0	064.7	342.0	100.0000	0743.0	176.1	45.87
108.0	005.6700	0688.6	064.9	341.8	100.0000	0742.7	175.1	46.10
109.0	005.6700	0693.9	065.1	341.6	100.0000	0742.3	174.1	46.32
110.0	005.6700	0701.3	065.3	341.4	100.0000	0742.0	173.0	46.57
111.0	005.6700	0708.9	065.6	341.3	100.0000	0741.6	172.0	46.81
112.0	005.6700	0716.1	065.9	341.1	100.0000	0741.3	170.9	47.05
113.0	005.6700	0723.0	066.1	340.9	100.0000	0741.0	169.9	47.30
114.0	005.6700	0729.2	066.3	340.7	100.0000	0740.7	168.9	47.53
115.0	005.6700	0736.6	066.5	340.4	100.0000	0740.5	167.9	47.78
116.0	005.6700	0745.5	066.8	340.2	100.0000	0740.2	166.9	48.03
117.0	005.6700	0755.3	067.2	340.0	100.0000	0740.1	165.9	48.29
118.0	005.6700	0765.0	067.5	339.8	100.0000	0740.0	164.9	48.54
119.0	005.6700	0773.1	067.7	339.5	100.0000	0739.9	163.9	48.78
120.0	005.6700	0779.6	067.9	339.2	100.0000	0739.9	163.0	49.01
121.0	005.6700	0784.9	068.1	339.0	100.0000	0739.9	162.1	49.23
122.0	005.6700	0789.0	068.2	338.6	100.0000	0740.0	161.3	49.43
123.0	005.6700	0791.4	068.3	338.3	100.0000	0740.2	160.6	49.62

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
124.0	005.6700	0791.6	068.3	338.0	100.0000	0740.4	159.9	49.79
125.0	005.6700	0789.4	068.2	337.6	100.0000	0740.7	159.3	49.94
126.0	005.6700	0785.3	068.1	337.2	100.0000	0741.1	158.8	50.07
127.0	005.6700	0779.5	067.9	336.8	100.0000	0741.5	158.4	50.18
128.0	005.6700	0772.6	067.7	336.4	100.0000	0742.1	158.0	50.28
129.0	005.6700	0764.6	067.5	336.0	100.0000	0742.7	157.7	50.37
130.0	005.6700	0755.7	067.2	335.5	100.0000	0743.4	157.4	50.44
131.0	005.6700	0746.6	066.9	335.1	100.0000	0744.1	157.2	50.50
132.0	005.6700	0737.9	066.6	334.7	100.0000	0744.9	157.0	50.55
133.0	005.6700	0729.5	066.3	334.3	100.0000	0745.7	156.9	50.60
134.0	005.6700	0720.7	066.0	333.8	100.0000	0746.6	156.7	50.64
135.0	005.6700	0710.9	065.7	333.4	100.0000	0747.5	156.7	50.67
136.0	005.6700	0700.4	065.3	333.0	100.0000	0748.5	156.7	50.68
137.0	005.6700	0689.6	064.9	332.5	100.0000	0749.5	156.7	50.67
138.0	005.6700	0678.5	064.5	332.1	100.0000	0750.5	156.8	50.66
139.0	005.6700	0665.6	064.1	331.7	100.0000	0751.6	157.0	50.62
140.0	005.6700	0651.3	063.6	331.2	100.0000	0752.7	157.3	50.57
141.0	005.6700	0637.4	063.1	330.8	100.0000	0753.8	157.6	50.50
142.0	005.6700	0626.2	062.7	330.4	100.0000	0754.9	157.9	50.46
143.0	005.6700	0618.0	062.4	330.0	100.0000	0756.0	158.0	50.43
144.0	005.6700	0614.2	062.2	329.6	100.0000	0757.3	158.0	50.44
145.0	005.6700	0615.5	062.3	329.2	100.0000	0758.6	157.9	50.48
146.0	005.6700	0621.5	062.5	328.8	100.0000	0759.9	157.6	50.57
147.0	005.6700	0630.9	062.8	328.4	100.0000	0761.3	157.3	50.67
148.0	005.6700	0642.8	063.3	328.0	100.0000	0762.8	156.8	50.80
149.0	005.6700	0655.4	063.7	327.6	100.0000	0764.4	156.4	50.92
150.0	005.6700	0666.7	064.1	327.2	100.0000	0766.1	156.1	51.02
151.0	005.6700	0675.9	064.5	326.8	100.0000	0767.7	155.8	51.10
152.0	005.6700	0684.1	064.7	326.4	100.0000	0769.5	155.6	51.17
153.0	005.6700	0690.1	065.0	325.9	100.0000	0771.3	155.6	51.20
154.0	005.6700	0693.6	065.1	325.5	100.0000	0773.2	155.6	51.21
155.0	005.6700	0696.0	065.2	325.1	100.0000	0775.1	155.7	51.21
156.0	005.6700	0698.9	065.3	324.7	100.0000	0777.3	155.8	51.20
157.0	005.6700	0701.7	065.4	324.3	100.0000	0779.5	156.0	51.19
158.0	005.6700	0704.2	065.4	323.9	100.0000	0781.9	156.2	51.16
159.0	005.6700	0706.8	065.5	323.5	100.0000	0784.4	156.4	51.13
160.0	005.6700	0709.3	065.6	323.1	100.0000	0787.0	156.7	51.10
161.0	005.6700	0710.7	065.7	322.7	100.0000	0789.6	157.0	51.05
162.0	005.6700	0710.8	065.7	322.3	100.0000	0792.3	157.3	50.98
163.0	005.6700	0710.4	065.7	321.9	100.0000	0795.0	157.8	50.91
164.0	005.6700	0708.6	065.6	321.5	100.0000	0797.7	158.3	50.81
165.0	005.6700	0704.6	065.5	321.2	100.0000	0800.3	158.8	50.70
166.0	005.6700	0699.3	065.3	320.8	100.0000	0802.9	159.5	50.56
167.0	005.6700	0694.5	065.1	320.5	100.0000	0805.4	160.2	50.42
168.0	005.6700	0691.0	065.0	320.2	100.0000	0807.9	160.8	50.29
169.0	005.6700	0687.3	064.9	319.8	100.0000	0810.3	161.5	50.16
170.0	005.6700	0683.1	064.7	319.5	100.0000	0812.7	162.2	50.01
171.0	005.6700	0678.0	064.5	319.2	100.0000	0815.0	162.9	49.85
172.0	005.6700	0670.3	064.3	318.9	100.0000	0817.0	163.7	49.66
173.0	005.6700	0659.5	063.9	318.7	100.0000	0818.8	164.7	49.45
174.0	005.6700	0646.3	063.4	318.5	100.0000	0820.4	165.7	49.21

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
175.0	005.6700	0629.9	062.8	318.3	100.0000	0821.7	166.8	48.95
176.0	005.6700	0613.4	062.2	318.1	100.0000	0822.9	168.0	48.68
177.0	005.6700	0596.7	061.6	318.0	100.0000	0824.0	169.1	48.41
178.0	005.6700	0583.6	061.1	317.8	100.0000	0825.1	170.2	48.17
179.0	005.6700	0573.4	060.6	317.7	100.0000	0826.3	171.3	47.94
180.0	005.6700	0563.6	060.2	317.5	100.0000	0827.4	172.3	47.70
181.0	005.6700	0553.9	059.7	317.4	100.0000	0828.3	173.4	47.47
182.0	005.6700	0540.9	059.0	317.3	100.0000	0828.8	174.6	47.20
183.0	005.8606	0526.0	058.4	317.2	100.0000	0829.5	175.7	46.96
184.0	006.0543	0509.8	057.8	317.1	100.0000	0829.9	176.9	46.70
185.0	006.2512	0496.1	057.3	317.1	100.0000	0830.5	178.0	46.47
186.0	006.4512	0485.6	056.9	316.9	100.0000	0831.4	179.0	46.28
187.0	006.6544	0480.9	056.9	316.7	100.0000	0832.7	179.7	46.14
188.0	006.8607	0480.1	057.2	316.5	100.0000	0834.4	180.3	46.03
189.0	007.0702	0478.1	057.4	316.2	100.0000	0835.9	181.0	45.91
190.0	007.2828	0473.8	057.4	316.1	100.0000	0837.2	181.8	45.76
191.0	007.4986	0468.4	057.4	315.9	100.0000	0838.2	182.7	45.60
192.0	007.7175	0461.4	057.2	315.8	100.0000	0839.1	183.6	45.44
193.0	007.9396	0451.5	056.9	315.7	100.0000	0839.6	184.6	45.25
194.0	008.1648	0441.1	056.6	315.6	100.0000	0840.0	185.6	45.06
195.0	008.3932	0431.6	056.3	315.5	100.0000	0840.5	186.5	44.88
196.0	008.6247	0419.6	055.9	315.5	100.0000	0840.7	187.6	44.68
197.0	008.8594	0405.6	055.4	315.5	100.0000	0840.7	188.7	44.47
198.0	009.0972	0393.7	055.0	315.5	100.0000	0840.8	189.7	44.28
199.0	009.3382	0387.5	054.9	315.4	100.0000	0841.4	190.6	44.12
200.0	009.5823	0386.0	055.1	315.2	100.0000	0842.4	191.4	43.99
201.0	009.8296	0388.7	055.5	315.0	100.0000	0843.7	192.2	43.87
202.0	010.0800	0395.4	056.1	314.7	100.0000	0845.3	192.8	43.77
203.0	010.5903	0405.9	057.1	314.3	100.0000	0847.4	193.4	43.69
204.0	011.1132	0415.0	058.1	313.9	100.0000	0849.4	194.0	43.60
205.0	011.6487	0419.9	058.8	313.7	100.0000	0850.9	194.7	43.48
206.0	012.1968	0419.9	059.3	313.4	100.0000	0852.0	195.6	43.34
207.0	012.7575	0415.9	059.5	313.3	100.0000	0852.7	196.5	43.17

03-02-2008 NGDC 30 SEC Terrain Data

KUBL-FM BLH20021203ACG
 Channel = 227C
 Max ERP = 100 kW
 RCAMSL = 2188.15 M
 N. Lat. 40 39 34.0
 W. Lng. 112 12 05.0
 Protected
 60 dBu

KZDX
 Channel = 228C
 Max ERP = 63 kW
 RCAMSL = 2536 M
 N. Lat. 42 20 06.0
 W. Lng. 113 36 15.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
268.0	100.0000	0874.2	102.3	175.5	005.6700	0622.0	190.2	29.23
269.0	100.0000	0875.3	102.3	175.4	005.6700	0622.4	188.5	29.56
270.0	100.0000	0876.4	102.4	175.4	005.6700	0622.7	186.7	29.89
271.0	100.0000	0877.4	102.4	175.4	005.6700	0623.3	184.9	30.23
272.0	100.0000	0878.4	102.4	175.3	005.6700	0624.0	183.1	30.57
273.0	100.0000	0879.4	102.5	175.3	005.6700	0624.9	181.3	30.93
274.0	100.0000	0880.3	102.5	175.2	005.6700	0626.0	179.6	31.30
275.0	100.0000	0881.3	102.5	175.1	005.6700	0627.4	177.8	31.68
276.0	100.0000	0882.1	102.6	175.1	005.6700	0628.9	176.0	32.08
277.0	100.0000	0882.9	102.6	174.9	005.6700	0630.7	174.3	32.51
278.0	100.0000	0883.6	102.6	174.8	005.6700	0632.8	172.5	32.94
279.0	100.0000	0884.1	102.6	174.7	005.6700	0635.1	170.8	33.39
280.0	100.0000	0884.4	102.6	174.6	005.6700	0637.6	169.0	33.85
281.0	100.0000	0884.7	102.7	174.4	005.6700	0640.2	167.3	34.31
282.0	100.0000	0884.9	102.7	174.2	005.6700	0643.0	165.6	34.78
283.0	100.0000	0885.0	102.7	174.0	005.6700	0645.9	163.9	35.24
284.0	100.0000	0885.2	102.7	173.8	005.6700	0648.9	162.2	35.70
285.0	100.0000	0885.3	102.7	173.6	005.6700	0652.0	160.5	36.16
286.0	100.0000	0885.5	102.7	173.4	005.6700	0655.1	158.8	36.61
287.0	100.0000	0885.7	102.7	173.1	005.6700	0658.1	157.2	37.05
288.0	100.0000	0885.8	102.7	172.9	005.6700	0661.3	155.6	37.49
289.0	100.0000	0885.9	102.7	172.6	005.6700	0664.5	153.9	37.93
290.0	100.0000	0885.9	102.7	172.3	005.6700	0667.7	152.3	38.37
291.0	100.0000	0885.9	102.7	171.9	005.6700	0670.8	150.8	38.80
292.0	100.0000	0885.8	102.7	171.6	005.6700	0673.6	149.2	39.22
293.0	100.0000	0885.7	102.7	171.3	005.6700	0676.3	147.7	39.64
294.0	100.0000	0885.5	102.7	170.9	005.6700	0678.7	146.2	40.06
295.0	100.0000	0885.2	102.7	170.5	005.6700	0680.8	144.7	40.46
296.0	100.0000	0884.8	102.7	170.1	005.6700	0682.8	143.2	40.86
297.0	100.0000	0884.4	102.6	169.7	005.6700	0684.6	141.8	41.26
298.0	100.0000	0883.8	102.6	169.2	005.6700	0686.5	140.4	41.65
299.0	100.0000	0883.1	102.6	168.7	005.6700	0688.4	139.0	42.03
300.0	100.0000	0882.3	102.6	168.2	005.6700	0690.2	137.7	42.41
301.0	100.0000	0881.4	102.5	167.7	005.6700	0691.9	136.4	42.77

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
302.0	100.0000	0880.4	102.5	167.2	005.6700	0693.7	135.1	43.13
303.0	100.0000	0879.2	102.5	166.6	005.6700	0696.0	133.9	43.49
304.0	100.0000	0877.9	102.4	166.1	005.6700	0698.9	132.7	43.85
305.0	100.0000	0876.5	102.4	165.5	005.6700	0702.1	131.5	44.20
306.0	100.0000	0874.9	102.3	164.9	005.6700	0705.3	130.4	44.54
307.0	100.0000	0873.0	102.3	164.2	005.6700	0707.8	129.4	44.87
308.0	100.0000	0870.9	102.2	163.6	005.6700	0709.6	128.4	45.16
309.0	100.0000	0868.5	102.1	162.9	005.6700	0710.4	127.4	45.43
310.0	100.0000	0865.6	102.0	162.2	005.6700	0710.8	126.5	45.68
311.0	100.0000	0862.3	101.9	161.5	005.6700	0710.9	125.7	45.92
312.0	100.0000	0858.5	101.8	160.8	005.6700	0710.5	124.9	46.12
313.0	100.0000	0854.1	101.6	160.0	005.6700	0709.4	124.2	46.30
314.0	100.0000	0849.2	101.4	159.2	005.6700	0707.5	123.6	46.45
315.0	100.0000	0843.6	101.2	158.5	005.6700	0705.4	123.0	46.58
316.0	100.0000	0837.5	101.0	157.7	005.6700	0703.4	122.6	46.68
317.0	100.0000	0830.9	100.8	156.8	005.6700	0701.3	122.2	46.77
318.0	100.0000	0823.9	100.5	156.0	005.6700	0699.0	121.8	46.83
319.0	100.0000	0816.5	100.2	155.2	005.6700	0696.5	121.6	46.87
320.0	100.0000	0809.0	099.9	154.4	005.6700	0694.5	121.4	46.90
321.0	100.0000	0801.5	099.6	153.5	005.6700	0692.1	121.3	46.90
322.0	100.0000	0794.2	099.4	152.7	005.6700	0688.5	121.2	46.88
323.0	100.0000	0787.4	099.1	151.9	005.6700	0683.1	121.1	46.82
324.0	100.0000	0781.2	098.8	151.0	005.6700	0676.2	121.1	46.73
325.0	100.0000	0775.7	098.6	150.2	005.6700	0668.8	121.2	46.63
326.0	100.0000	0771.1	098.5	149.4	005.6700	0660.1	121.2	46.50
327.0	100.0000	0766.9	098.3	148.6	005.6700	0650.2	121.3	46.35
328.0	100.0000	0763.0	098.1	147.8	005.6700	0639.9	121.4	46.18
329.0	100.0000	0759.3	098.0	147.0	005.6700	0630.4	121.6	46.00
330.0	100.0000	0756.0	097.9	146.2	005.6700	0622.8	121.8	45.84
331.0	100.0000	0753.3	097.8	145.4	005.6700	0617.2	122.0	45.70
332.0	100.0000	0750.7	097.7	144.6	005.6700	0614.3	122.3	45.58
333.0	100.0000	0748.4	097.6	143.8	005.6700	0614.6	122.6	45.49
334.0	100.0000	0746.2	097.5	143.0	005.6700	0618.0	123.0	45.43
335.0	100.0000	0744.3	097.4	142.2	005.6700	0624.0	123.4	45.40
336.0	100.0000	0742.6	097.3	141.5	005.6700	0631.8	123.9	45.37
337.0	100.0000	0741.3	097.3	140.7	005.6700	0641.2	124.4	45.36
338.0	100.0000	0740.4	097.2	140.0	005.6700	0651.8	124.9	45.35
339.0	100.0000	0739.9	097.2	139.2	005.6700	0662.4	125.5	45.34
340.0	100.0000	0740.1	097.2	138.5	005.6700	0672.3	126.0	45.31
341.0	100.0000	0741.2	097.3	137.8	005.6700	0681.0	126.6	45.26
342.0	100.0000	0743.1	097.4	137.1	005.6700	0689.0	127.3	45.20
343.0	100.0000	0745.5	097.4	136.3	005.6700	0696.7	127.9	45.12
344.0	100.0000	0748.3	097.6	135.6	005.6700	0704.2	128.6	45.03
345.0	100.0000	0751.1	097.7	135.0	005.6700	0711.4	129.3	44.93
346.0	100.0000	0753.9	097.8	134.3	005.6700	0718.1	130.1	44.81
347.0	100.0000	0756.5	097.9	133.6	005.6700	0724.2	130.9	44.66
348.0	100.0000	0758.6	098.0	133.0	005.6700	0729.8	131.8	44.50
349.0	100.0000	0760.3	098.0	132.3	005.6700	0735.1	132.7	44.31
350.0	100.0000	0761.8	098.1	131.7	005.6700	0740.2	133.7	44.11
351.0	100.0000	0762.9	098.1	131.1	005.6700	0745.3	134.7	43.89
352.0	100.0000	0762.9	098.1	130.6	005.6700	0750.4	135.8	43.65

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
353.0	100.0000	0761.3	098.1	130.1	005.6700	0755.1	137.0	43.39
354.0	100.0000	0757.8	097.9	129.6	005.6700	0759.5	138.3	43.10
355.0	100.0000	0754.2	097.8	129.1	005.6700	0763.6	139.6	42.80
356.0	100.0000	0751.6	097.7	128.7	005.6700	0767.5	140.9	42.49
357.0	100.0000	0748.9	097.6	128.2	005.6700	0771.0	142.2	42.17
358.0	100.0000	0746.0	097.5	127.8	005.6700	0774.1	143.6	41.85
359.0	100.0000	0742.9	097.3	127.4	005.6700	0776.9	145.0	41.51
000.0	100.0000	0739.8	097.2	127.0	005.6700	0779.4	146.4	41.16
001.0	100.0000	0736.5	097.1	126.7	005.6700	0781.6	147.8	40.81
002.0	100.0000	0735.9	097.1	126.3	005.6700	0783.8	149.2	40.47
003.0	100.0000	0739.1	097.2	125.9	005.6700	0785.9	150.6	40.15
004.0	100.0000	0742.2	097.3	125.5	005.6700	0787.7	151.9	39.82
005.0	100.0000	0745.2	097.4	125.1	005.6700	0789.1	153.3	39.49
006.0	100.0000	0747.8	097.5	124.7	005.6700	0790.2	154.8	39.14
007.0	100.0000	0750.2	097.6	124.4	005.6700	0791.0	156.2	38.79
008.0	100.0000	0751.2	097.7	124.1	005.6700	0791.5	157.7	38.42
009.0	100.0000	0750.9	097.7	123.8	005.6700	0791.7	159.3	38.04
010.0	100.0000	0750.8	097.7	123.6	005.6700	0791.8	160.8	37.66
011.0	100.0000	0751.4	097.7	123.3	005.6700	0791.7	162.4	37.27
012.0	100.0000	0752.6	097.7	123.1	005.6700	0791.5	163.9	36.88
013.0	100.0000	0754.0	097.8	122.8	005.6700	0791.1	165.5	36.48
014.0	100.0000	0755.7	097.8	122.6	005.6700	0790.7	167.1	36.09
015.0	100.0000	0757.5	097.9	122.4	005.6700	0790.1	168.7	35.69
016.0	100.0000	0758.7	098.0	122.2	005.6700	0789.6	170.3	35.29
017.0	100.0000	0759.5	098.0	122.0	005.6700	0789.0	172.0	34.89
018.0	100.0000	0759.7	098.0	121.9	005.6700	0788.5	173.6	34.50
019.0	100.0000	0759.6	098.0	121.7	005.6700	0788.0	175.3	34.11
020.0	100.0000	0759.1	098.0	121.6	005.6700	0787.5	177.0	33.74
021.0	100.0000	0758.1	097.9	121.5	005.6700	0787.1	178.6	33.38
022.0	100.0000	0756.4	097.9	121.4	005.6700	0786.7	180.3	33.02
023.0	100.0000	0754.0	097.8	121.3	005.6700	0786.4	182.0	32.68
024.0	100.0000	0751.3	097.7	121.3	005.6700	0786.2	183.7	32.35
025.0	100.0000	0748.6	097.6	121.2	005.6700	0786.0	185.5	32.03
026.0	100.0000	0746.3	097.5	121.2	005.6700	0785.9	187.2	31.71
027.0	100.0000	0744.4	097.4	121.2	005.6700	0785.7	188.9	31.40
028.0	100.0000	0742.4	097.3	121.2	005.6700	0785.6	190.6	31.09

KZDX(FM) 228C Burley vs KUBL 227C Salt Lake City
 Section 73.215 Contour Overlap Map

FMCommander Single Allocation Study
 03-02-2008

KZDX CH 228 C
 63.0 kW 2536 M COR DA
 Prot. = 60 dBu
 Intef. = 54 dBu

KUBL-FM CH 227 C BLH20021203ACG
 100.0 kW, 2188.1 M COR
 Prot. = 60 dBu
 Intef. = 54 dBu

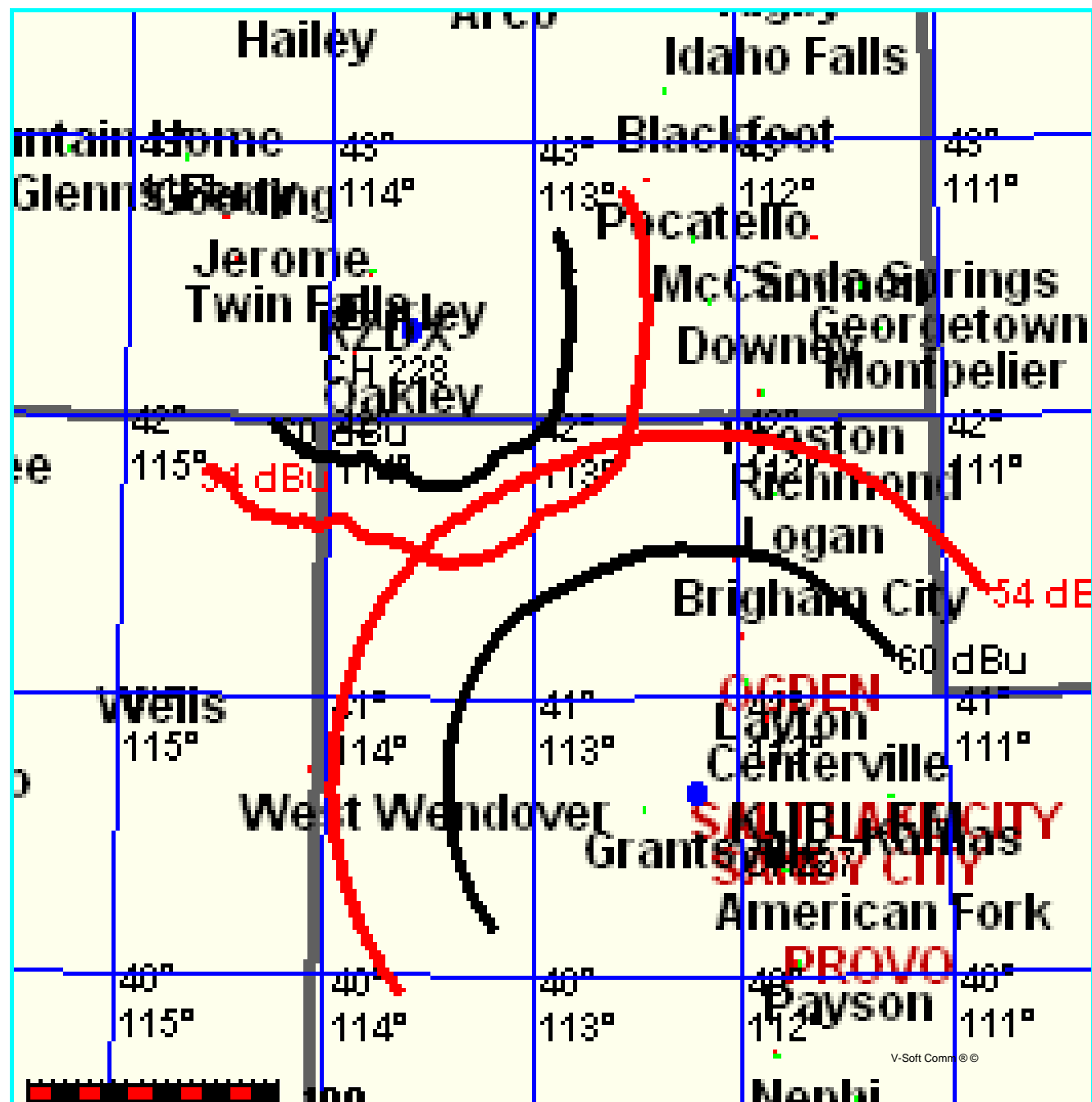


Exhibit 5B

KUMC-LP Displacement Channel Studies

KUMC-LP Rupert, ID
Section 73.207 LPFM Displacement Study

REFERENCE
42 37 04.0 N.
113 40 41.0 W.

CLASS = L1
Current Spacings
Channel 266 - 101.1 MHz

DISPLAY DATES
DATA 02-26-08
SEARCH 03-02-08

Call	Channel	Location	Azi	Dist	FCC	Margin
K212DR	LIC 212D	Albion	ID 167.5	20.73	4.5	16.23
KCVI	LIC 268C	Blackfoot	ID 39.7	128.35	92.5	35.85

KUMC-LP Rupert, ID
LPFM Displacement Channel Study

REFERENCE
42 37 04.0 N.
113 40 41.0 W.

CLASS = L1
Current Spacings
Channel 267 - 101.3 MHz

DISPLAY DATES
DATA 02-26-08
SEARCH 03-02-08

Call	Channel	Location	Azi	Dist	FCC	Margin
KCIR	LIC 214C	Twin Falls	ID 169.1	31.95	27.5	4.45
KCVI	LIC 268C	Blackfoot	ID 39.7	128.35	119.5	8.85

KUMC-LP Rupert, ID
LPFM Displacement Channel Study

REFERENCE
42 37 04.0 N.
113 40 41.0 W.

CLASS = L1
Current Spacings
Channel 269 - 101.7 MHz

DISPLAY DATES
DATA 02-26-08
SEARCH 03-02-08

Call	Channel	Location	Azi	Dist	FCC	Margin
KCVI	LIC 268C	Blackfoot	ID 39.7	128.35	119.5	8.85
KIRQ	CP -Z 271C2	Kimberly	ID 282.1	61.94	52.5	9.44
KIRQ	LIC 271C3	Twin Falls	ID 282.1	61.94	39.5	22.44

KUMC-LP Rupert, ID
Section 73.207 LPFM Displacement Study

REFERENCE
42 37 04.0 N.
113 40 41.0 W.

CLASS = L1
Current Spacings
Channel 299 - 107.7 MHz

DISPLAY DATES
DATA 02-26-08
SEARCH 03-02-08

Call	Channel	Location	Azi	Dist	FCC	Margin
K246BH	LIC 246D	Burley	ID 220.9	8.66	4.5	4.16
K297AB	LIC-D 297D	Burley	ID 169.0	32.09	20.5	11.59
KYZK	RSV 298C0	Sun Valley	ID 333.2	128.07	110.5	17.57
AP5446	APP 245D	Kimberly	ID 265.6	45.54	4.5	41.04
KQEO	CP -D 299C1	Idaho Falls	ID 58.5	158.88	110.5	48.38
KQEO	APP 300C1	Idaho Falls	ID 58.4	158.74	99.5	59.24

KUMC-LP Rupert, ID
Section 73.207 LPFM Displacement Study

REFERENCE
42 37 04.0 N.
113 40 41.0 W.

CLASS = L1
Current Spacings

DISPLAY DATES
DATA 02-26-08
SEARCH 03-02-08

----- Channel 300 - 107.9 MHz -----

Call	Channel		Location		Azi	Dist	FCC	Margin
K246BH	LIC	246D	Burley	ID	220.9	8.66	4.5	4.16
K297AB	LIC-D	297D	Burley	ID	169.0	32.09	20.5	11.59
KYZK	RSV	298C0	Sun Valley	ID	333.2	128.07	83.5	44.57
KQEO	APP	300C1	Idaho Falls	ID	58.4	158.74	110.5	48.24
KUDD	LIC	300C	Roy	UT	145.5	182.67	129.5	53.17
KQEO	CP -D	299C1	Idaho Falls	ID	58.5	158.88	99.5	59.38

Exhibit 7

Proposed Directional Pattern Azimuth Tabulations

KZDX(FM) Proposed Azimuth Pattern

Pre-Rotation Antenna Pattern....

Azimuth (deg)	Effective Field
0.0	1.000
10.0	1.000
20.0	1.000
30.0	0.900
40.0	0.805
50.0	0.705
60.0	0.600
70.0	0.500
80.0	0.400
90.0	0.350
100.0	0.300
110.0	0.300
120.0	0.300
130.0	0.300
140.0	0.300
150.0	0.300
160.0	0.300
170.0	0.300
180.0	0.300
190.0	0.300
200.0	0.300
210.0	0.300
220.0	0.300
230.0	0.300
240.0	0.300
250.0	0.300
260.0	0.300
270.0	0.350
280.0	0.400
290.0	0.500
300.0	0.600
310.0	0.700
320.0	0.800
330.0	0.900
340.0	1.000
350.0	1.000

Rotation Angle = 282

