

FM Commander ©V-Soft Communications® Contour-to-Contour Study								
File Print Settings Class Channel < Down > Up Find Views Help About			NGDC 30 SEC			DATA: 04-28-09 - Zone 2		
N. Lat. 44 06 52.0 1222 M COR Contours are detailed Rapid City SD k300ax.vsf			W. Lng. 103 14 36.0 0.25 kW CH 300. 107.9 D 153.4 M HAAT Job: 04-28-09					
Call	Type	Ch	Location		Azi	Dist	In	Out
K300AX	LIC	300D	Rapid City	SD	0.0	0.0	-79.9	-79.9
KXZT	CP	300C2	Newell	SD	296.9	52.9	-88.0*	-57.8
AU7010651	VAC	299C	Wall	SD	98.8	83.2	75.2*	30.0*
KSLT	LIC	297C	Spearfish	SD	297.0	52.9	30.6	30.6*
KSLT-FM1	LIC-D	297D	Rapid City	SD	188.8	2.5	-12.1*	-11.4*
KXZS	CP-N	298C1	Wall	SD	91.9	51.8	24.5	-1.1

End of Screen List

In: is kilometers of overlap "received" by translator app
(the translator app is allowed to receive interference)

Out: is kilometers of overlap "**caused**" by translator app
(the translator app is not allowed to cause interference to co-channel or 1st adjacent stations)

**Pending Co-Channel Operation by KXZT - Newell, SD
Precludes the continued use of Ch. 300**

TRANSLATOR - DISPLACEMENT ANALYSIS

K300AX - Rapid City, SD - JUNE 09

FM Commander

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DATA: 05-29-09 - Zone 2

N. Lat. 44 06 52.0

1222 M COR

Current Tables

Rapid City SD

k300ax.vsf

W. Lng. 103 14 36.0

0.25 kW

CH 294. 106.7 D

152.6 M HAAT

Job: 05-31-09

Call	Type	Ch	Location		Azi	Dist	FCC	Margin
KZLK	LIC	292C1	Rapid City	SD	186.5	5.1	73.5	-68.4
KSLT	CP	296C	Spearfish	SD	297.0	52.9	93.5	-40.6
KSLT	LIC	297C	Spearfish	SD	297.0	52.9	93.5	-40.6
KSLT-FM1	LIC-D	297D	Rapid City	SD	188.8	2.5	6.5	-4.0
KZZI	LIC	240C	Belle Fourche	SD	296.8	52.8	28.5	24.3

End of Screen List

KSLT/KSLT(CP)/KSLT-FM1/TRANSLATOR K300AX

KSLT holds a CP to move to Ch. 296C (N+2)

(INTERFERENCE UNCHANGED FROM LICENSE)

(Interfering 115 dBu extends 650 feet, no population)

KZLK is a 2nd Adj Channel & has a signal level of 100 dBu

The interfering 140 dBu (0.25 kW) extends 40', no population)

Translator antenna is 79' AGL

(1 bay=250w)

KZZI exceeds minimum spacing

TRANSLATOR - DISPLACEMENT ANALYSIS

K300AX - Rapid City, SD - JUNE 2009

115 dBu Interference Contour

Predicted Interference Area

KSLT(LIC)/KSLT(CP)- Spearfish, SD

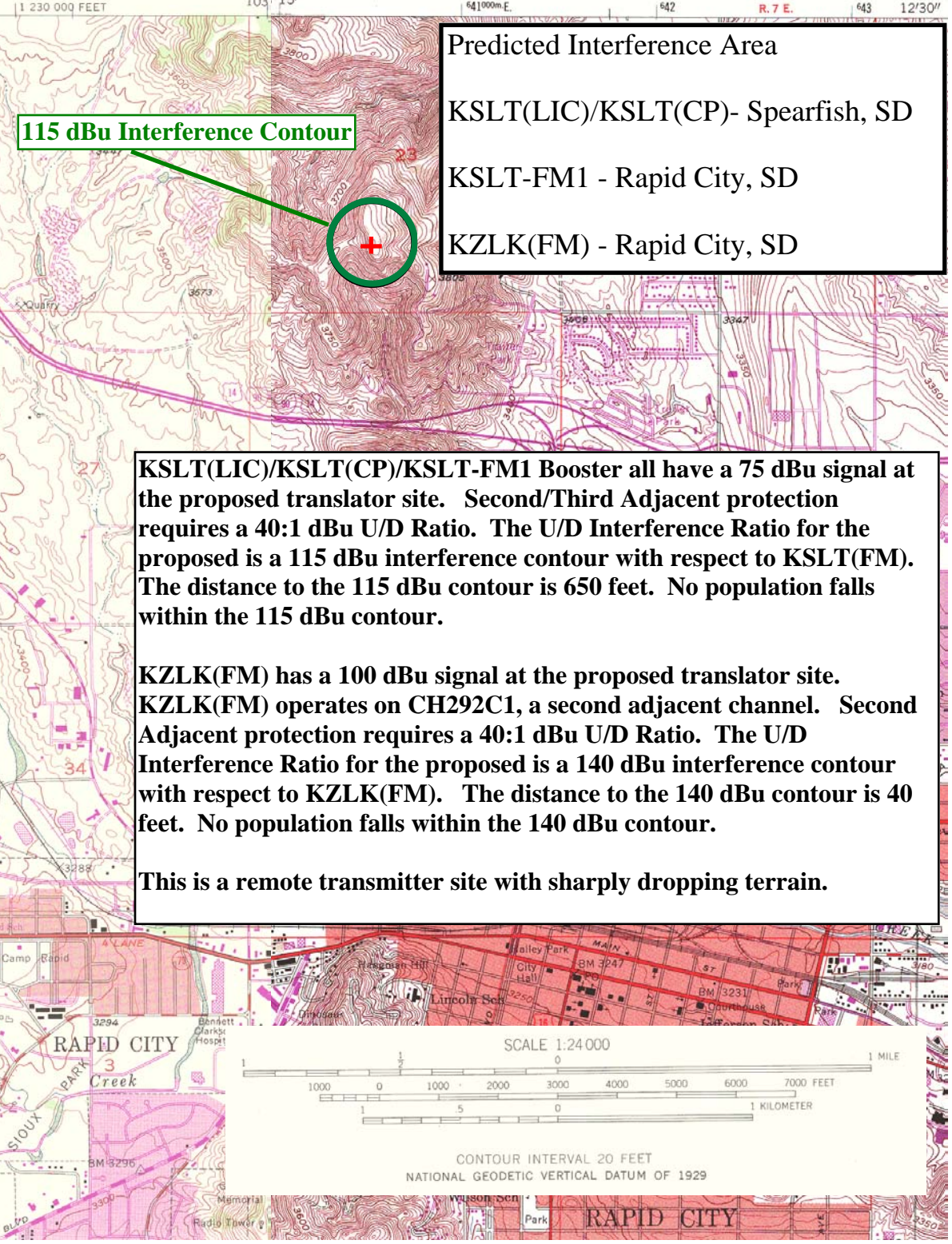
KSLT-FM1 - Rapid City, SD

KZLK(FM) - Rapid City, SD

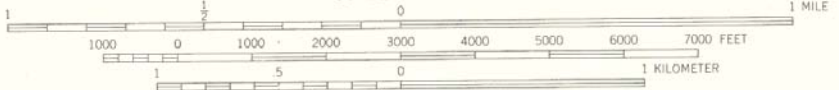
KSLT(LIC)/KSLT(CP)/KSLT-FM1 Booster all have a 75 dBu signal at the proposed translator site. Second/Third Adjacent protection requires a 40:1 dBu U/D Ratio. The U/D Interference Ratio for the proposed is a 115 dBu interference contour with respect to KSLT(FM). The distance to the 115 dBu contour is 650 feet. No population falls within the 115 dBu contour.

KZLK(FM) has a 100 dBu signal at the proposed translator site. KZLK(FM) operates on CH292C1, a second adjacent channel. Second Adjacent protection requires a 40:1 dBu U/D Ratio. The U/D Interference Ratio for the proposed is a 140 dBu interference contour with respect to KZLK(FM). The distance to the 140 dBu contour is 40 feet. No population falls within the 140 dBu contour.

This is a remote transmitter site with sharply dropping terrain.



SCALE 1:24 000



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Bethesda Christian Broadcasting
15475 Gleneagle Drive
Colorado Springs, CO 80921
(719) 488-6063

May 21, 2009

Carson Aasen, President
Aasen Publishing, Inc.
11 Main Street
Rapid City, SD 57701


RE: Consent to File Application for Modification of Facilities of FM Translator
Station K300AX, Rapid City, South Dakota [Facility ID 141264]

Dear Mr. Aasen:

This letter will confirm that Bethesda Christian Broadcasting ("Bethesda Christian"), the current licensee of FM translator Station K300AX, Rapid City, South Dakota, consents to the proposal of Aasen Publishing, Inc. ("Aasen Publishing"), to prepare and file an application to modify the facilities of Station K300AX. This letter of consent is being issued in conjunction with the agreement executed between Bethesda Christian and Aasen Publishing on May 15, 2009 whereby Aasen Publishing seeks to purchase FM translator station K300AX, upon the approval of the Federal Communications Commission to the assignment of the translator's license from Bethesda Christian to Aasen Publishing. That assignment application is expected to be filed within the next ten (10) days.

It is the understanding of Bethesda Christian that Aasen Publishing seeks to acquire the translator and modify its facilities for purposes of re-broadcasting the signal of AM radio station KIMM, Rapid City, South Dakota.

BETHESDA CHRISTIAN BROADCASTING



Mitch Hildebrant, President

2 mV/m Coverage/Translator Coverage

KIMM AM - 1150 kHz - Rapid City, SD

KIMM.C

Freq: 1150 kHz
Class: B
Latitude: 44-04-34 N
Longitude: 103-06-42 W
Power: 5 kW
RMS: 308 mV/m @1km
Towers: 1
Augs: 0

Proposed

Rapid City, SD
Latitude: 44-06-52 N
Longitude: 103-14-36 W
ERP: 0.25 kW
Channel: 294
Frequency: 106.7 MHz
AMSL Height: 1222.0 m
Horiz. Pattern: Omni

2 mV/m

Day ND 5 kW
122,070 persons

Channel: 294
F(50-50) 60.0 dBu

Scale 1:1,000,000

0 10 20 30 km

Scale 1:1,000,000

0 10 20 30 mi

