

KUUS(FM)
Vaughn, MT

Proposed Minor Modification
Of Permitted Facility

Application Overview:

The instant 301 Application is being contemporaneously and contingently filed with the co-owned facilities of KEAU(FM) Choteau, MT, and KZUS(FM) Belt, MT. In the instant application, KUUS(FM) proposes to change its community of license and channel from Channel 279C1 at Fairfield, MT, to mutually exclusive Channel 279C3 at the currently unserved community of Vaughn, MT, at a new allotment reference site. In its application, KZUS(FM) proposes to change its community of license from Belt, MT, to the currently unserved community of Highwood, MT, modify its allotment reference site coordinates, and remain on mutually exclusive Channel 269C1. KZUS(FM) and KUUS(FM) are both contingent on the contemporaneously proposed change for KEAU(FM). KZUS(FM) is contingent on KEAU(FM) as Channel 269C1 only becomes available at Highwood, MT, for KZUS(FM)'s use if KEAU(FM)'s vacates Channel 272C1 at Choteau and moves to Channel 274C1 at Fairfield. Similarly, KUUS(FM)'s proposal is also contingent on the KEAU(FM)'s proposal as KEAU(FM) will provide "backfill" service at KUUS(FM)'s current community – Fairfield, MT.

KUUS(FM) (FCC Facility ID# 164134) proposes to modify its currently Permitted Facilities and change its community of license from Fairfield, MT, to Vaughn, MT, using the following parameters:

Tech Box:

Channel: 280

Class:	C3
Antenna Coordinates:	N47-36-24, W111-21-31 (NAD 27)
Allotment Ref. Coordinates:	N47-38-15, W111-32-15(NAD 27)
ASRN:	1051225
Tower Height AMSL:	244 m
COR AMSL:	1349 m
COR AGL:	185 m
COR HAAT:	260 m
ERP:	3.9 kW
Directional Antenna:	No

Allotment Modifications:

In order to change its community of license, the applicant is required to provide a mutually exclusive allotment reference site at its new community. Exhibit 1 is an allotment reference site channel spacings study for Channel 280C3 at Vaughn, MT, demonstrating that the proposed facility is fully spaced pursuant to Section 73.207 towards all other authorizations, allotments, and proposals from the following location:

Allotment Reference Coordinates: N47-38-15, W111-32-15 (NAD 27)

Allotment Site City-Grade Coverage:

In accordance with the city grade coverage requirements of Section 73.315, Exhibit 2 demonstrates that the proposed allotment site provides requisite coverage of KUUS(FM)'s proposed community of license – Vaughn, MT. As can be seen in the Exhibit, 100% of

Vaughn's community boundaries are encompassed by the theoretical 70 dBu, circle contour. Also, no terrain obstructions are located between the antenna site and the community.

Suitable Allotment Reference Site:

In accordance with Note 1 to Section 73.3573, Exhibit 3 is a site map showing that the allotment reference site is located at a suitable location and is not offshore, in a national or state park, on an airport or otherwise in an area which would necessarily present a hazard to air navigation.

Antenna Site City-Grade Coverage:

Exhibit 4 demonstrates that the proposed facility's antenna site provides city grade coverage of KUUS(FM)'s community of license – Vaughn, MT. As can be seen in the Exhibit, 100% of Vaughn'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 (Fully Spaced):

Exhibit 5 is a channel spacings study demonstrating that the proposed antenna site is fully spaced towards all applications, authorizations, and permits pursuant to Section 73.207.

Downward Radiation Study (FM Model):

Due to the fact that this tower accommodates multiple emitters, the Applicant agrees to conduct RFR measurements to demonstrate ANSI compliance prior to initiating operations and shall file the results of this study as part of its Form 302 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 1

Allotment Reference Site Channel Spacings Study

ADD 280C3 Vaughn, MT
 Section 73.207 Allotment Site Spacings Study

REFERENCE
 47 38 15.0 N.
 111 32 15.0 W.

CLASS = C3 Int = C1
 Current Spacings
 ----- Channel 280 - 103.9 MHz -----

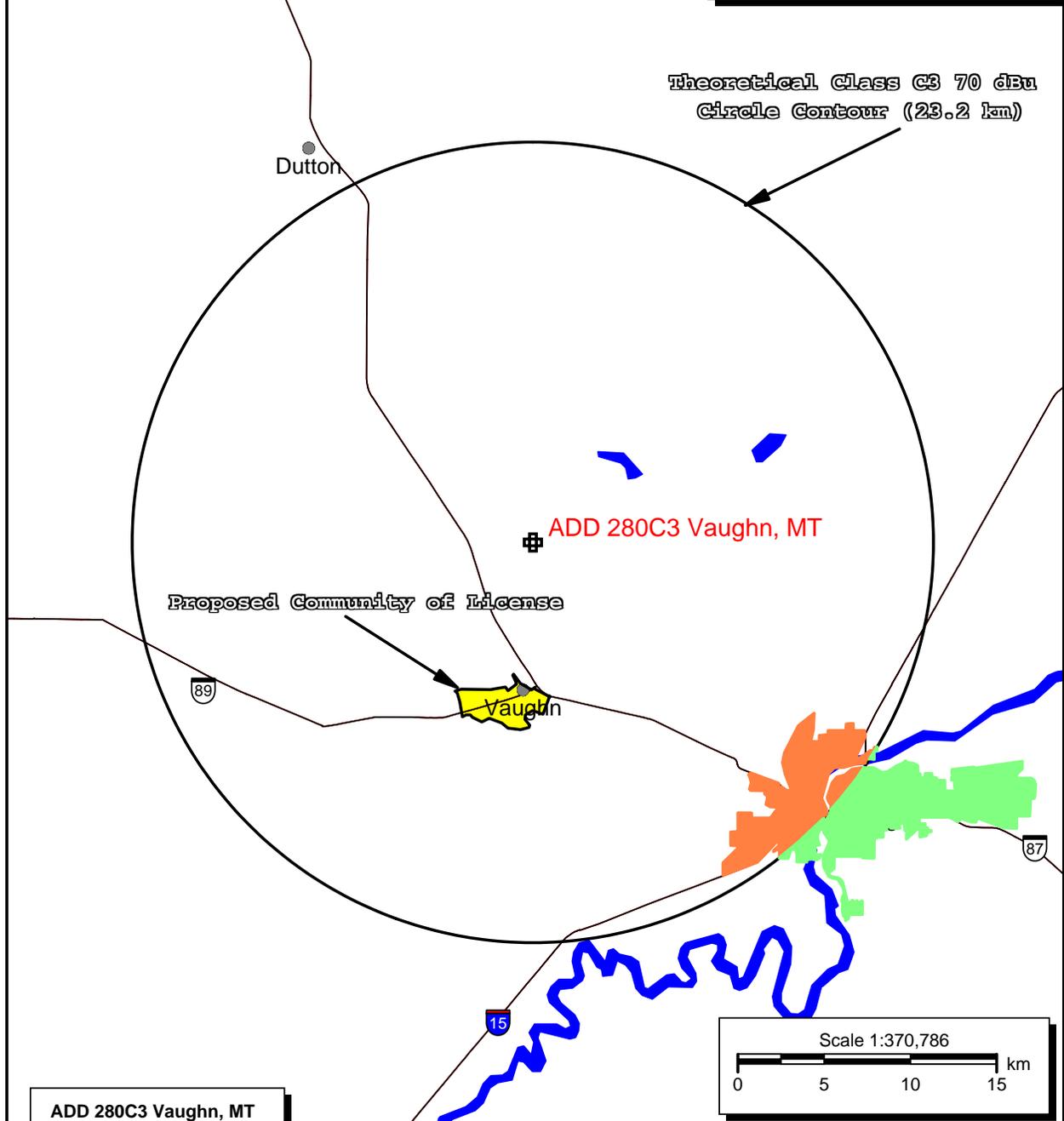
DISPLAY DATES
 DATA 02-12-08
 SEARCH 02-25-08

Call	Channel	Location		Azi	Dist	FCC	Margin
KUUS	CP	279C1	Fairfield	MT	316.2	28.24	143.5 -115.26
Of Note: Mutually Exclusive current authorization for instant facility.							
KZMN	LIC	280C1	Kalispell	MT	285.0	210.63	210.5 0.13
KHKR-FM	LIC	281C3	East Helena	MT	201.0	103.26	98.5 4.76

Exhibit 2

Allotment Reference Site City-Grade Coverage Map

ADD 280C3 Vaughn, MT
Allotment Site
City-Grade Coverage Map



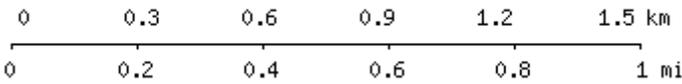
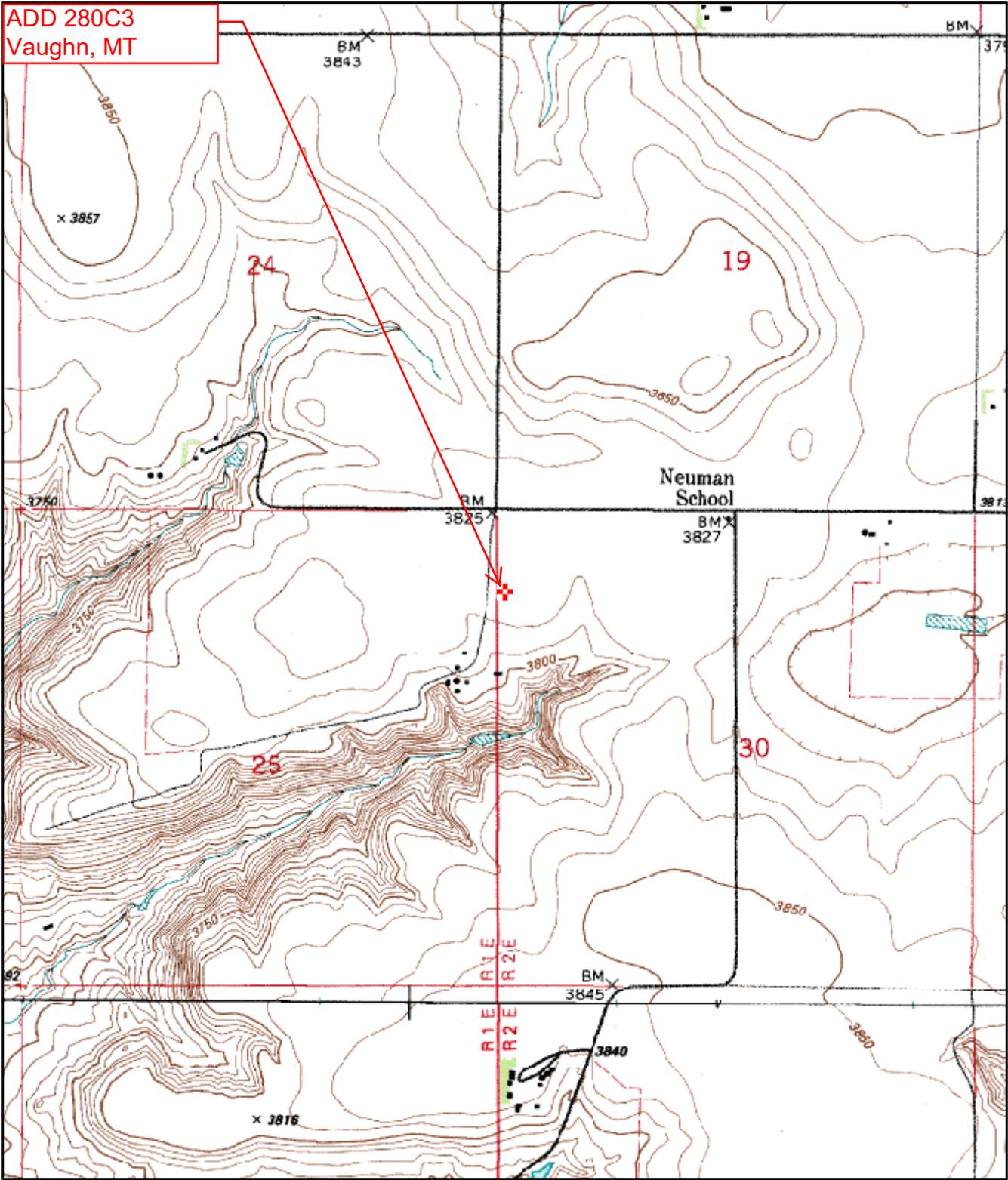
ADD 280C3 Vaughn, MT
Latitude: 47-38-15 N
Longitude: 111-32-15 W
ERP: 25.00 kW
HAAT: 100.0 m
Channel: 280 C3
Frequency: 103.9 MHz
AMSL Height: 1212.93 m
Elevation: 1158.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Area Shaded Orange: Great Falls Urbanized Area covered by the predicted 70 dBu Circle Contour.
Area Shaded Green: Great Falls Urbanized Area outside of the predicted 70 dBu Circle Contour.
Note: The Allotment of Channel 280C3 at Vaughn, MT, will cover only 41% of the Great Falls Urbanized Area with a 70 dBu Contour (30.9 sq. km. of the total 74.46 sq. km.).

Exhibit 3

Allotment Reference Site Topographic Map

ADD 280C3
Vaughn, MT



47° 38' 15"N, 111° 32' 15"W (NAD27)
USGS Vaughn NE (MT) Quadrangle
Projection is UTM Zone 12 NAD83 Datum

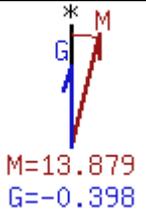
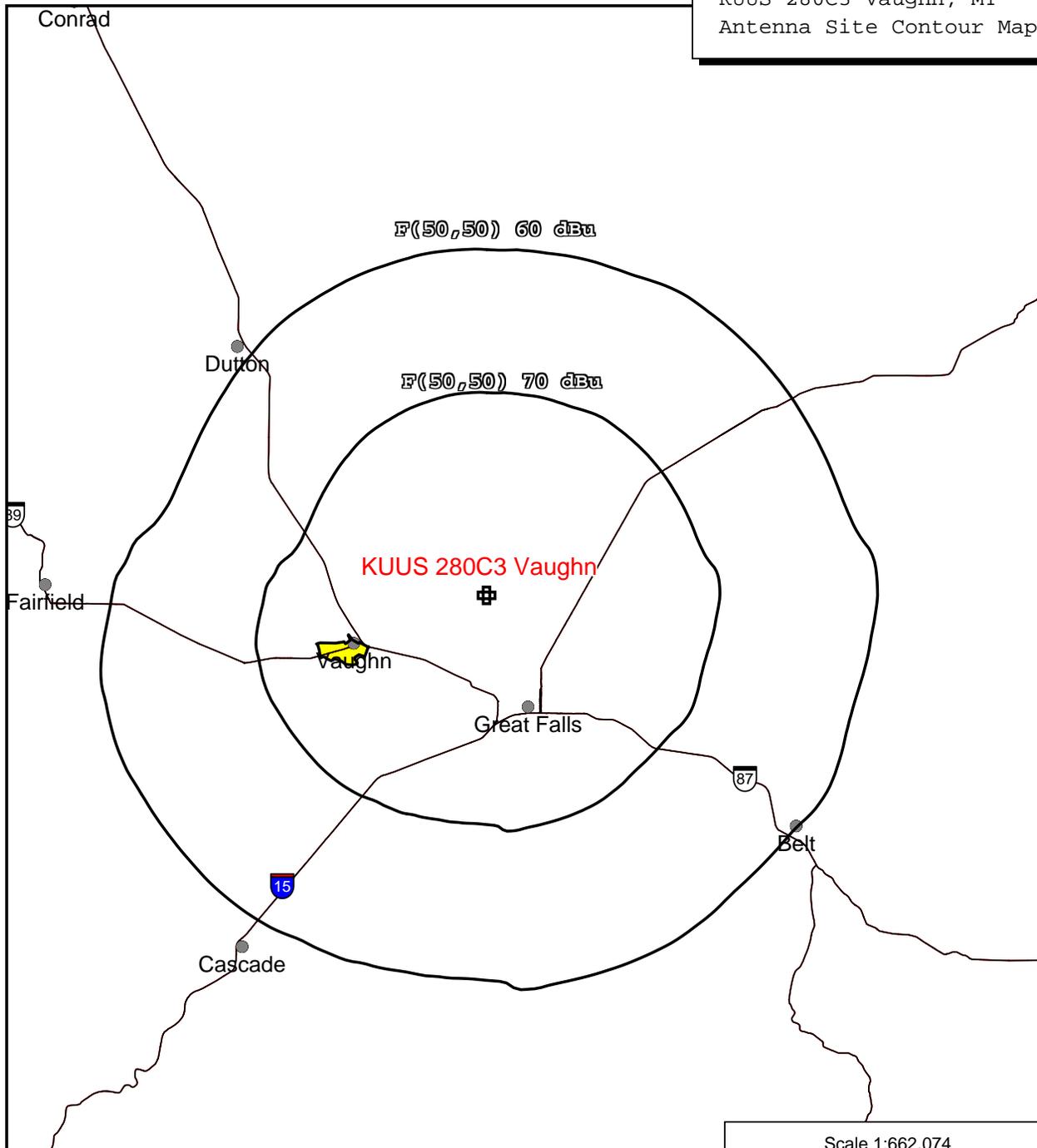


Exhibit 4

Proposed Antenna Site Contour Map:

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

KUUS 280C3 Vaughn, MT
Antenna Site Contour Map



KUUS 280C3 Vaughn

Latitude: 47-36-24 N
Longitude: 111-21-31 W
ERP: 3.90 kW
HAAT: 260.06 m
Channel: 280 C3
Frequency: 103.9 MHz
AMSL Height: 1349.0 m
Elevation: 1164.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

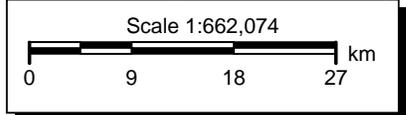


Exhibit 5

Proposed Antenna Site Channel Spacings Study

KUUS(FM) 280C3 Vaughn, MT
 Section 73.207 Antenna Site Spacings Study

REFERENCE
 47 36 24.0 N.
 111 21 31.0 W.

CLASS = C3 Int = C1
 Current Spacings

DISPLAY DATES
 DATA 02-12-08
 SEARCH 02-25-08

----- Channel 280 - 103.9 MHz -----

Call	Channel	Location		Azi	Dist	FCC	Margin
KUUS	CP 279C1	Fairfield	MT	306.0	40.68	143.5	-102.82
Of No Concern: Current Authorization for KUUS.							
KHKR-FM	LIC 281C3	East Helena	MT	208.6	105.82	98.5	7.32
KZMN	LIC 280C1	Kalispell	MT	285.1	224.51	210.5	14.01
