

K299AH
Pocatello, ID

Proposed Minor Modification
of Licensed Translator Facility

Application Overview:

The Applicant proposes to modify BLFT-19931126TD using the following parameters:

Tech Box:

Channel:	298
Antenna Coordinates:	N42-48-30, W112-29-09 (NAD 27)
ASRN:	N/A
Tower Site Base AMSL:	2199 m
Overall Tower Height AGL:	6 m
COR AGL:	5 m
ERP:	Vertically Polarized 0.01 kW
Directional Antenna:	No

Contour Map:

Exhibit 1 demonstrates that the proposed booster facility's protected contour.

Interference Study:

Exhibit 2 is a contour overlap study demonstrating that the proposed antenna site provides requisite contour protection towards all applications, authorizations, and permits pursuant to Section 74.1204. Note: the proposed F(50,10) 100 dBu Interfering Contour for the translator on Channel 298D is fully encompassed by the F(50,50) 60 dBu Protected Contour for

the pending proposals of KAOX(FM) 300C1 Shelley, ID (see BPH-20080331AKT), and KQEO(FM) 296C1 Idaho Falls (see BPH-20080331AKU). However, as can be seen on the USGS 7.5 Minute Map and the Aerial Photo taken of the antenna site area in Exhibit 2A, there are no homes, commercial establishments, or roads (other than the road accessing the communications site itself) within the 220 meter radius encompassed by the Interfering Contour. Therefore, the proposal complies with Section 74.1204(d) since no interference will occur due to lack of population. The undersigned has visited the site numerous times and can confirm that the site is only used for communications and vehicular access to the site is closed due to winter conditions for up to five months per year.

No Other Co-Located Emitters:

No other emitters are authorized to use the proposed tower.

Downward Radiation Study (FM Model):

The proposed FM Facility has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields (OET Bulletin 65, Second Edition 97-01, August, 1997). The Commission's FM Model Power Density Prediction program was employed to determine the Field. Using the Phelps-Dodge "Ring Stub" Worst Case antenna with 1 sections and 1 wavelength spacing, and the AGL height and ERP proposed in this application, the highest predicted power density 2 meters above ground is less than 15% of the Uncontrolled Standard with a Power Density of 30.07 microwatts per square centimeter 0.1 meters from the base of the tower.

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.

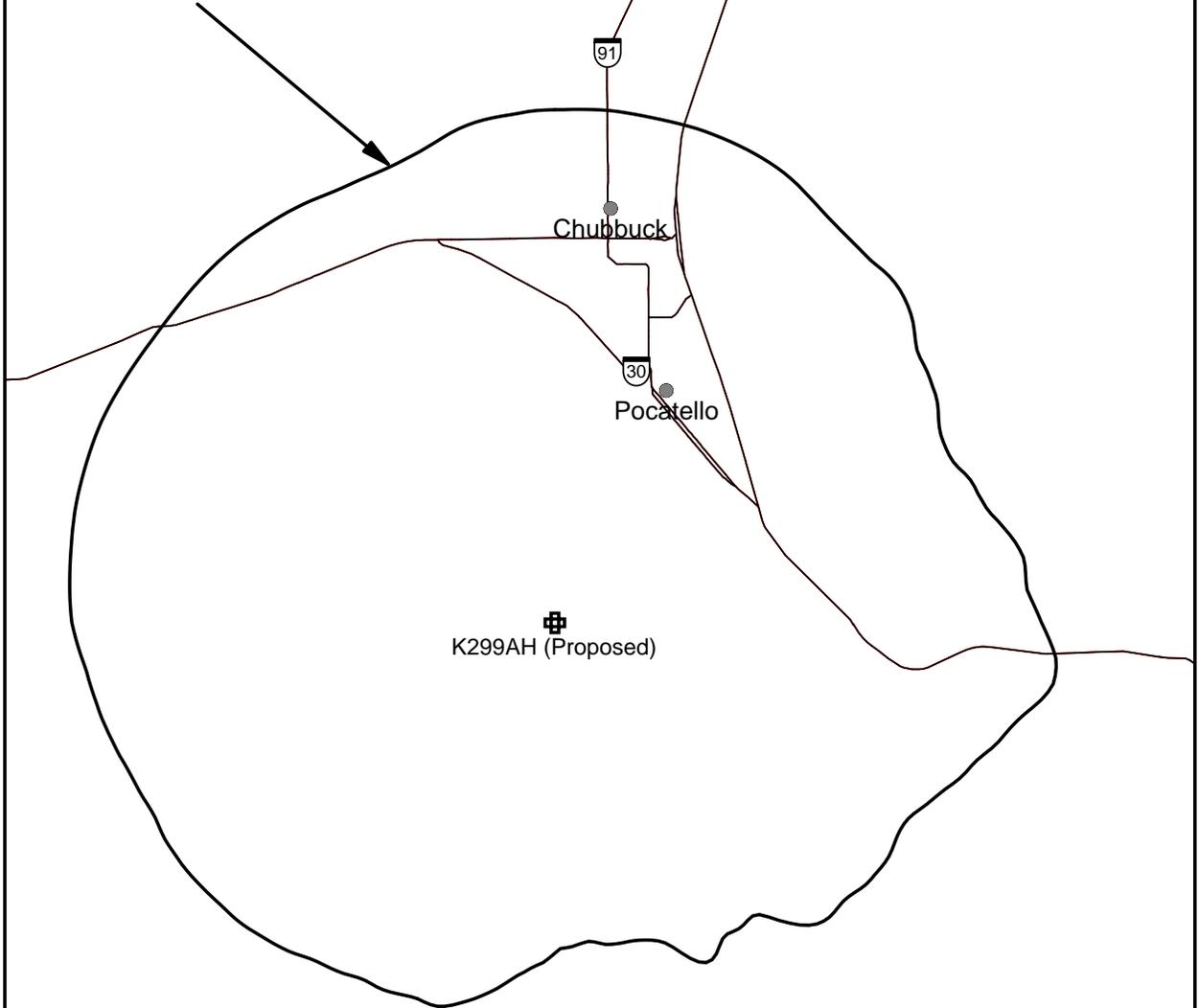
Existing Tower:

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.

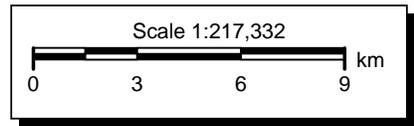
Exhibit 1

Proposed Translator Protected Contour

Proposed F(50,50) 60 dBu



K299AH (Proposed)



V-Soft Communications LLC ©

K299AH (Proposed)

Latitude: 42-48-30 N
Longitude: 112-29-09 W
ERP: 0.01 kW
HAAT: 601.23 m
Channel: 298 D
Frequency: 107.5 MHz
AMSL Height: 2204.0 m
Elevation: 2199.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 2

Section 74.1204 Interference Tabulations

K299AH Pocatello, ID

Section 74.1204 Antenna Site Channel Study

REFERENCE
42 48 30.0 N.
112 29 09.0 W.

CH# 298D - 107.5 MHz, Pwr= 0.01 kW, HAAT= 0.0 M, COR= 2204 M
Average Protected F(50-50)= 3.2 km

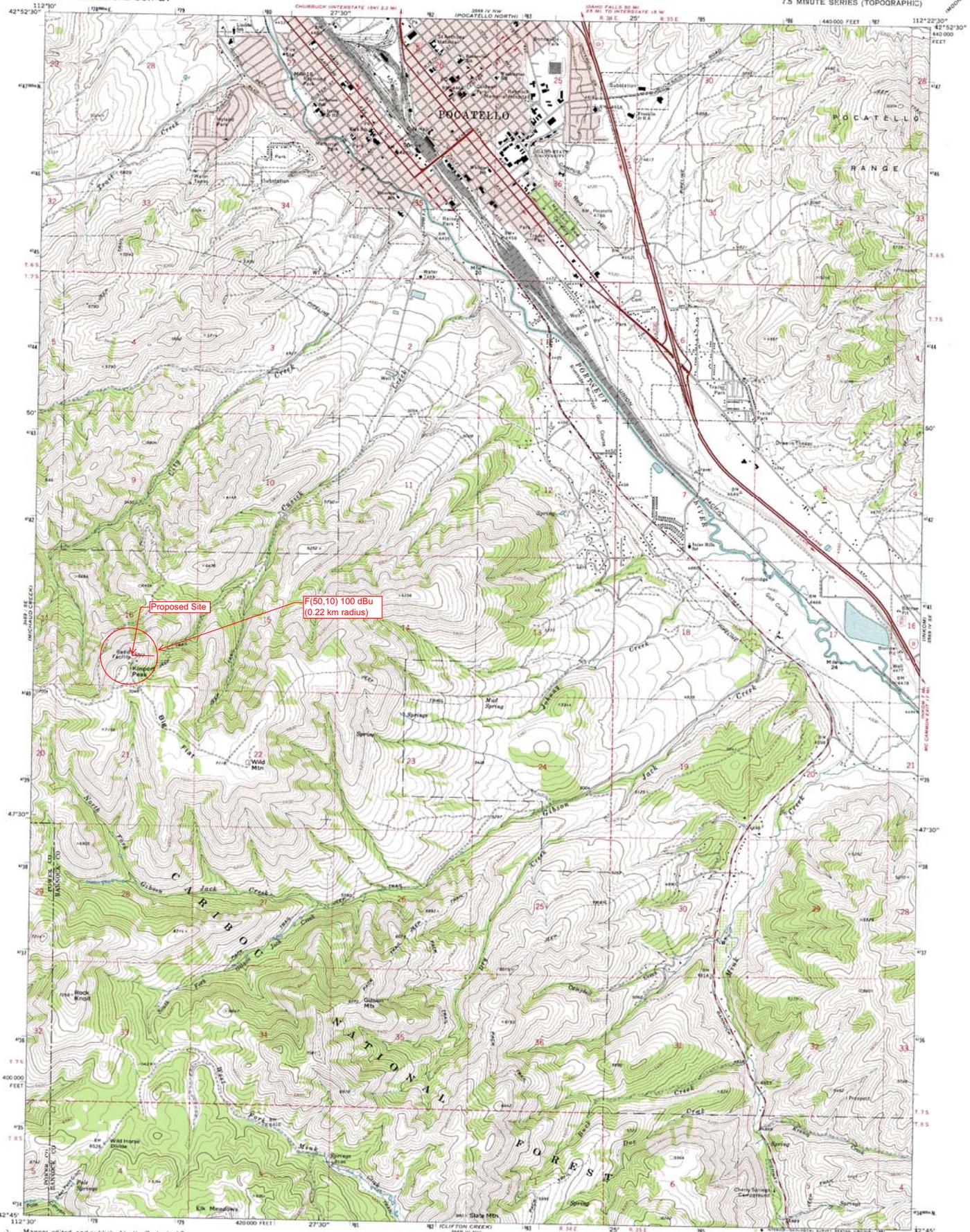
DISPLAY DATES
DATA 09-25-08
SEARCH 10-21-08

CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
297C2 Shelley	AL2465	RSV ID	61.0 241.4	52.09 RM11365	43 02 00.0 111 55 34.0	50.000 150	80.0 2019	53.8	-41.09*	-22.25*
Of No Concern: Channel 297C2 was allocated at Shelley for KAOX(FM)'s use in MB Docket 05-243. However, in implementing the Report and Order, KAOX(FM) has proposed a one-step upgrade and mutually exclusive channel change to Channel 300C1 at Shelley (see BPH-20080331AKT below).										
297C2 Shelley	AL2532	RSV ID	61.0 241.4	52.09 RM11363	43 02 00.0 111 55 34.0	50.000 150	80.0 2019	53.8	-41.09*	-22.25*
Of No Concern: Channel 297C2 was allocated at Shelley for KAOX(FM)'s use in MB Docket 05-243. However, in implementing the Report and Order, KAOX(FM) has proposed a one-step upgrade and mutually exclusive channel change to Channel 300C1 at Shelley (see BPH-20080331AKT below).										
299D Pocatello	K299AH	LIC VN ID	0.0 180.0	0.03 BLFT19931126TD	42 48 31.0 112 29 09.0	0.010 588	14.1 2208	10.0 University Of Utah	-29.51*	-34.83*
Of Note: Instant Facility's current authorization.										
298C0 Sun Valley	KYZK	RSV ID	301.6 120.3	180.87	43 38 36.0 114 23 49.0	100.000 450	195.2 2524	90.2 Chaparral Broadcasting, In	-29.18*	36.27
296D Pocatello	K296EA	LIC DHN ID	65.9 246.0	11.09 BLFT19891220TH	42 50 56.0 112 21 43.0	0.051 444	0.1 2080	4.6 Gap Broadcasting Pocatello	-1.89*	6.22
296C1 Idaho Falls	KQEO	APP CX ID	32.5 212.9	71.81 BPH20080331AKU	43 21 06.0 112 00 29.0	100.000 193	10.2 1789	72.7 Sand Hill Media Corp.	46.78	-1.11*
Of Note: The instantly proposed F(50,10) 100 dBu contour is encompassed by the proposed KQEO(FM) F(50,50) 60 dBu protected contour. However, the translator's interference contour does not overlap any populated areas that are used for residential or commercial means and, therefore, complies with Section 74.1204(d) since no interference will occur due to lack of population.										
300C1 Shelley	KAOX	APP CX ID	32.5 212.9	71.81 BPH20080331AKT	43 21 06.0 112 00 29.0	100.000 193	10.2 1789	72.7 Simmons-slc, Ls, Llc	46.78	-1.11*
Of Note: The instantly proposed F(50,10) 100 dBu contour is encompassed by the proposed KAOX(FM) F(50,50) 60 dBu protected contour. However, the translator's interference contour does not overlap any populated areas that are used for residential or commercial means and, therefore, complies with Section 74.1204(d) since no interference will occur due to lack of population.										
298C Kaysville	AL2553	RSV UT	174.3 354.5	239.84 RM11363	40 39 34.0 112 12 05.0	100.000 600	207.7 2188	97.9	22.49	109.88
296C1 Idaho Falls	KQEO	LIC NC ID	30.6 211.1	95.10 BLH20030408ABD	43 32 33.0 111 53 04.0	82.000 182	9.3 1730	68.9 Sand Hill Media Corp.	70.80	25.98
298C Kaysville	KKAT-FM	APP CX UT	174.3 354.5	239.75 BPH20080331AKP	40 39 37.0 112 12 06.0	23.000 1203	202.2 2789	94.8 Wasatch Radio, Llc, As Tru	27.91	112.82
295C Brigham City	KEGH	LIC NCX UT	169.5 349.7	115.67 BLH20021009AAU	41 47 03.0 112 13 55.0	81.000 660	10.7 2145	76.2 Simmons-slc, Ls, Llc	95.09	39.22
300C1 Idaho Falls	AL2530	RSV ID	21.4 201.7	114.64 RM11363	43 46 04.0 111 57 57.0	100.000 299	10.3 1771	73.4	88.89	41.06
300C1 Idaho Falls	AL2467	RSV ID	21.4 201.7	114.64 RM11365	43 46 04.0 111 57 57.0	100.000 299	10.3 1771	73.4	88.89	41.06
296D Soda Springs, Etc.	K296AQ	LIC CN ID	106.6 287.1	68.66 BLFT145	42 37 48.0 111 41 00.0	0.109 328	0.7 2148	22.5 Caribou County Tv	54.31	45.93

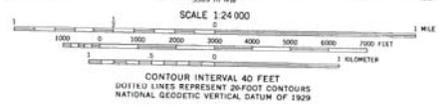
Terrain database is NGDC 30 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM
ERP and HAAT on direct-line with reference station.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

Exhibit 2A

**Antenna Site USGS Map
and
Antenna Site Aerial Photo**



Mappe, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1969. Field checked 1971.
Projection and 10,000-foot grid ticks: Idaho coordinate
system, east zone (transverse Mercator)
3100-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue. 1927 North American datum
To place in the predicted North American Datum 1983
move intersection lines 12 meters north and
67 meters east as shown by dashed corner ticks
There may be private inholdings within the boundaries of
the National or State reservations shown on this map
Fine tint indicates areas in which only landmark buildings are shown
Fine red dashed lines indicate selected fence lines



CONTOUR INTERVAL 40 FEET
HIGHLIGHTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

POCATELLO SOUTH, IDAHO
N4245-W12225/7.5
1971
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DMA 5069 IV SW - SERIES 1965

