

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.

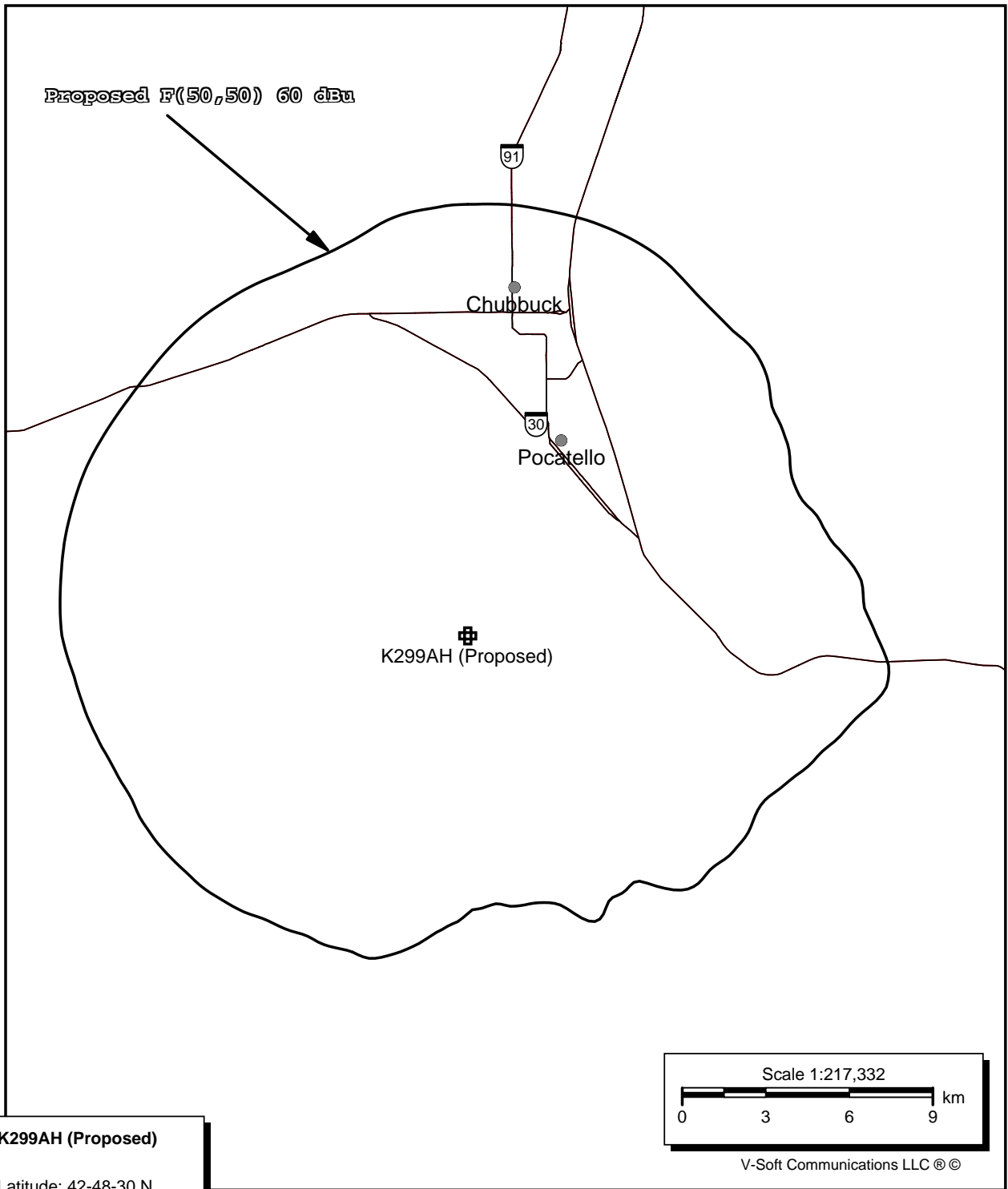
Existing Tower:

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)

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 CH# 298D - 107.5 MHz, Pwr= 0.01 kW, HAAT= 0.0 M, COR= 2204 M DISPLAY DATES
 42 48 30.0 N. DATA 09-25-08
 112 29 09.0 W. 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 AL2465 Shelley		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 AL2532 Shelley		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*
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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 K299AH Pocatello		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	-29.51*	-34.83*
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Of Note:

Instant Facility's current authorization.

298C0 KYZK Sun Valley		RSV ID	301.6 120.3	180.87	43 38 36.0 114 23 49.0	100.000 450	195.2 2524	90.2	-29.18*	36.27
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296D K296EA Pocatello		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	-1.89*	6.22
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296C1 KQEO Idaho Falls		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	46.78	-1.11*
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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 KAOX Shelley		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	46.78	-1.11*
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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 AL2553 Kaysville		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
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296C1 KQEO Idaho Falls		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	70.80	25.98
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298C KKAT-FM Kaysville		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	27.91	112.82
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295C KEGH Brigham City		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	95.09	39.22
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300C1 AL2530 Idaho Falls		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
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300C1 AL2467 Idaho Falls		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
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296D K296AQ Soda Springs, Etc.		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	54.31	45.93
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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

