

KXRK FM1
Park City, UT
Proposed Minor Modification
of Licensed Booster Facility

Application Overview:

The Applicant proposes to modify BLFTB-20050413ABZ using the following parameters:

Tech Box:

Channel:	242
Antenna Coordinates:	N40-40-58, W111-31-22 (NAD 27)
ASRN:	N/A
Tower Site Base AMSL:	2257 m
Overall Tower Height AGL:	18.3 m
COR AGL:	15.2 m
ERP:	Vertically Polarized 0.2 kW
Directional Antenna:	No

Primary Station and Booster Protected Contour Relationship:

Exhibit 1 demonstrates that the proposed booster facility's protected contour is completely encompassed by the protected contour of the primary station being rebroadcast.

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.

Multiple Emitters in Close Proximity:

The antenna of the proposed booster is to be collocated on a tower currently authorized for use by the following station(s):

- KSFI FM1 Park City, UT (see BNPFTB-20070309AAQ)
- K265BX Park City, UT (see BLFT19841211TB)
- K285BH Park City, UT (see BLFT19821221MI)
- KOAY FM1 Park City, UT (Contemporaneously Proposed)
- KJQN FM3 Park City, UT (Contemporaneously Proposed)
- KEGA FM7 Park City, UT (Contemporaneously Proposed)
- KYMV (NEW BOOSTER) Park City, UT (Contemporaneously Proposed)

Therefore, the applicant agrees to make sufficient measurements to establish that the operation of the booster is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements will be made with all stations simultaneously operating and will be submitted to the Commission along with the FCC Form 350 application for license.

NOTE: None of the currently authorized or contemporaneously proposed facilities on the proposed tower utilize a directional antenna.

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.

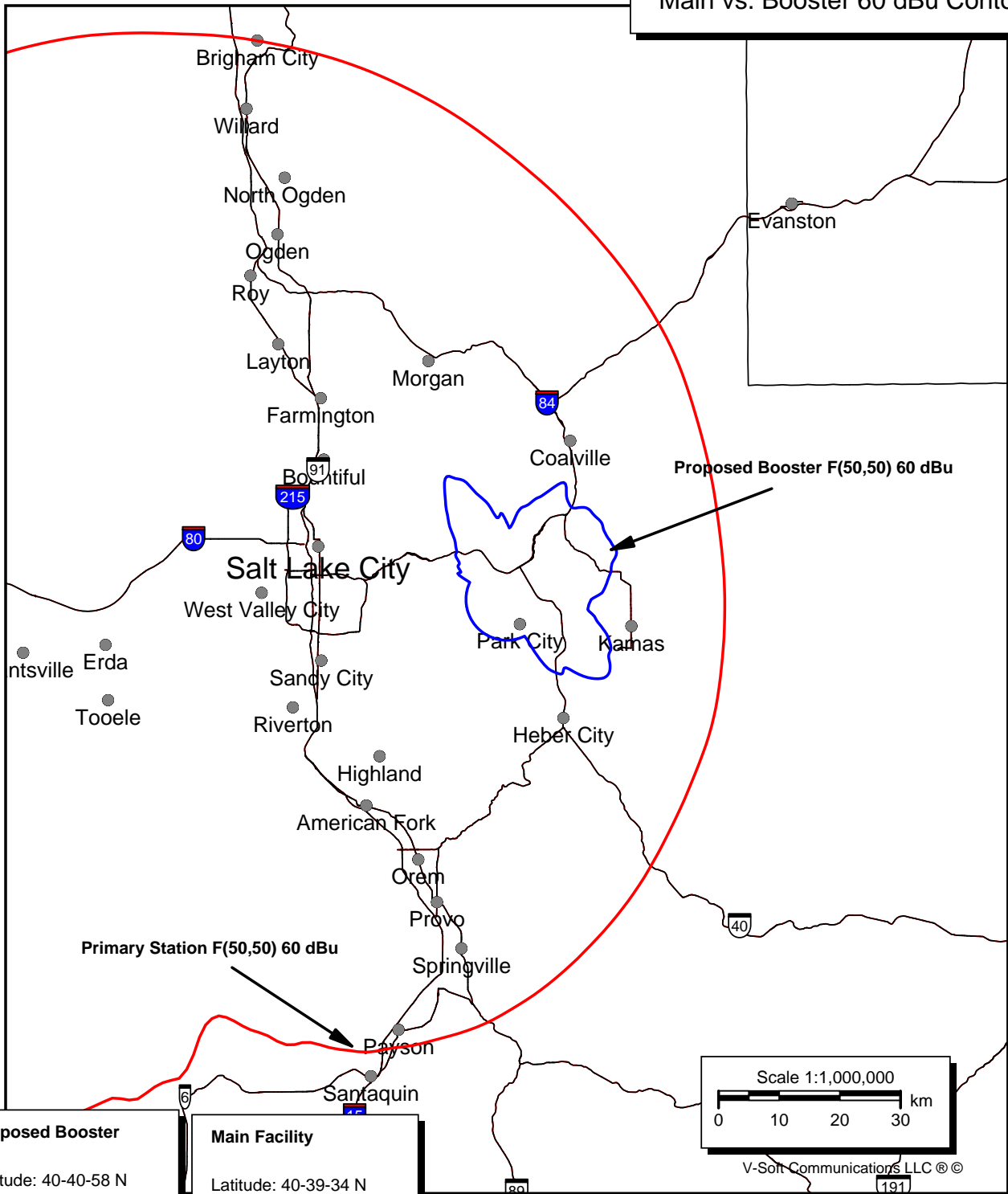
Existing Tower:

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 1

**Primary Station Protected Contour
vs.
Proposed Booster Protected Contour**

Main vs. Booster 60 dBu Contour



Proposed Booster

Latitude: 40-40-58 N
Longitude: 111-31-22 W
ERP: 0.20 kW
AMSL Height: 2272.2 m
Elevation: 2257.0 m
AGL Height: 15.2 m
Tower Height: 21.3 m
Horiz. Pattern: Omni

Main Facility

Latitude: 40-39-34 N
Longitude: 112-12-05 W
HAAT: 1140.0 m
AMSL Height: 2803.0 m
Elevation: 2755.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 2

Section 74.1204 Interference Tabulations

KXRK Proposed Booster Antenna Site Contour Overlap Study										
REFERENCE 40 40 58.0 N. 111 31 22.0 W.		CH# 242D - 96.3		MHz, Pwr= 0.2 kW, HAAT=0.0 M, COR= 2272.2 M Average Protected F(50-50)= 6.71 km					DISPLAY DATES DATA 06-13-07 SEARCH 06-24-07	
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
242C Provo	KXRK	LIC CX UT	267.6 87.2	57.44 BLH20021113AAN	40 39 34.0 112 12 05.0	25.000 1205	197.9 2803	93.3 Simmons-sl c, Ls, LI c	-147.15	-58.32*
242D Park City	KXRK-FM1	LIC DC UT	10.7 190.7	19.47 BLFTB20050413ABZ	40 51 18.0 111 28 47.0	1.220 725	123.6 2851	50.9 Simmons-sl c, Ls, LI c	-119.69	-82.11*
296D Heber	K296AF	LIC CN UT	163.7 343.7	14.21 BLFT89	40 33 36.0 111 28 32.0	0.012 382	28.5 2567	8.5 Wasatch County Commi ssi on	3.0R	11.2M
296C Henefer	RADD	ADD UT	64.6 244.9	49.20	40 52 16.0 110 59 43.0	100.000 600	28.5 0	8.5 Mill creek Broadcasting Et	29.0R	20.2M
296C Woodruff	RADD	ADD UT	57.2 237.6	52.21	40 56 07.0 111 00 03.0	100.000 600	28.5 0	8.5 Mill creek B/casting Et Al	29.0R	23.2M
240D Salt Lake City	AP8056	APP DE UT	294.3 114.1	34.01 BNPFT20030314AIB	40 48 29.0 111 53 25.0	0.041	0.4 1818	4.3 Mario Hieb	26.90	28.76
240D Mill Creek	AP8735	APP C UT	294.4 114.2	33.95 BNPFT20030310BJY	40 48 29.0 111 53 22.0	0.010	0.2 1823	3.2 Utah State University Of A	27.02	29.81
240D Salt Lake City	AP0549	APP DC UT	294.4 114.2	33.95 BNPFT20030314BYV	40 48 29.0 111 53 22.0	0.041	0.2 1778	2.8 Airwaves, Inc.	27.07	30.12
240D Sandy	AP0745	APP C UT	240.0 59.8	35.59 BNPFT20030317MML	40 31 21.2 111 53 13.2	0.250	1.1 1363	7.1 Radio Assist Ministry, Inc	27.78	27.51
296D South Salt Lake	AP2815	APP C UT	277.2 96.9	31.81 BNPFT20030317BMK	40 43 04.0 111 53 47.0	0.010	28.5 1318	8.5 Educational Media Foundati	3.0R	28.8M
244D Fort Douglas, Etc.	K244DH	LIC DC UT	266.9 86.5	57.50 BLFT20041018AAD	40 39 12.0 112 12 06.0	0.036	0.4 2698	26.4 Micro Communications, Inc.	50.38	30.07
240C1 Delta	KMGR	LIC HX UT	198.8 18.5	111.38 BLH20040729ANB	39 43 58.0 111 56 34.0	100.000 293	11.6 2036	79.7 3 Point Media - Del ta, LI c	93.12	30.66
240D South Jordan	AP5570	APP DC UT	246.3 66.0	45.46 BNPFT20030317LWT	40 31 03.9 112 00 51.5	0.092	0.7 1531	12.9 Radio Assist Ministry, Inc	38.09	31.61
240D Salt Lake City	AP9891	APP DC UT	266.9 86.4	57.48 BNPFT20030317HVP	40 39 09.0 112 12 05.0	0.010	0.2 2706	15.6 Your Christian Companion N	50.58	40.86
244C Levan	KQMB	LIC HX UT	177.7 357.7	149.59 BLH20011105ABA	39 20 12.0 111 27 06.0	67.000 585	13.8 3187	97.4 Zeta Holdings, LI c	129.05	51.19

Terrain database is NGDC 30 SEC
ERP and HAAT are on direct line to and from reference station.
"*"affixed to 'IN' or 'Out' values = site inside protected contour.