

TECHNICAL STATEMENT AND 73.215 PROCESSING REQUEST
KBCR-FM STEAMBOAT SPRINGS, CO
FCC FORM 301
BLIZZARD BROADCASTING, LLC
APRIL 2018

This Technical Statement and 73.215 processing request is in support of a minor change application being filed by Blizzard Broadcasting, LLC for its station KBCR-FM Steamboat Springs, Colorado, facility ID 63190.

KBCR-FM seeks to relocate to a new site at the Storm Peak Communications site. It will remain a class C2 on channel 245. It seeks to lower its Effective Radiated Power to 3.0 Kilowatts, or the maximum allowed by a class C2 facility at the proposed Height Above Average Terrain antenna height of 533 meters. It will operate with a 2 bay FM antenna system with circular polarization with 0.85 wavelength spacing between the two bays. The two bay will be mounted at the 26 meter level on an existing 27.4 meter overall non-registered tower. The Center of Radiation will be 3150 meters above mean sea level.

Figure 1 is a channel spacing study conducted at the proposed tower site for KBCR-FM. It shows that all of the required spacings towards all pertinent same and adjacent channel stations will be met under 73.207, with the exception of KYAP(FM) Nunn, Colorado on channel 245A, facility ID 82007. Processing under 73.215 is hereby requested in regards to KYAP(FM).

Figure 2 is a channel spacing study conducted from the proposed allotment point for KBCR-FM. All of the spacing requirements under 73.207 have been met at this location which is the center point of the community of Steamboat Springs.

Figure 3 is a detailed channel interference study conducted with the proposed facilities of KBCR-FM and the current licensed operation of KYAP(FM) Nunn, CO. Since KYAP(FM) is

licensed under the provisions of 73.215, the study was conducted utilizing the currently licensed facilities of KYAP. As can be seen, there is no prohibitive overlap between these two facilities.

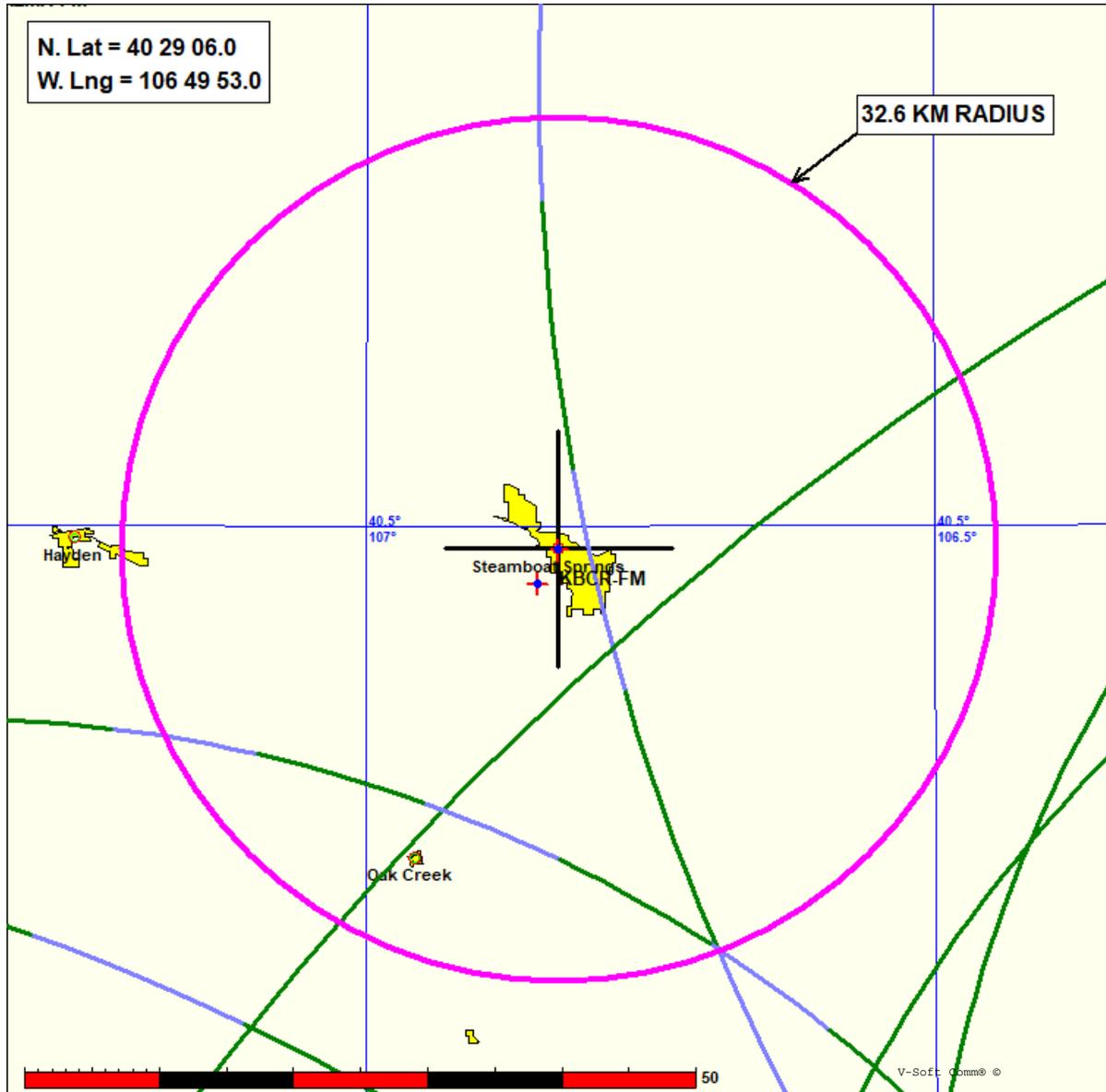
Figure 4 is a map showing the predicted 70 dB μ proposed contour for KBCR-FM. It shows that the city grade contour will completely encompass the community of license, Steamboat Springs.

It was determined that the new proposed operation of KBCR-FM will meet all of the requirements by the Commission under current rules.

CH 245 C2 96.9 MHz

Current Spacings to 3rd Adj.

FIGURE 2 - CHANNEL SPACING STUDY FROM ALLOTMENT POINT
KBCR-FM STEAMBOAT SPRINGS, CO, CH. 245C2



Data Date:04-15-18 Job Date:04-15-18

Call	CH#	Type	Location		Azi	D-KM	FCC	Margin
KBCR-FM	245C2	LIC	Steamboat Spring	CO	210.4	2.97	189.5	-186.5
KYAP	245A	LIC-N	Nunn	CO	78.0	167.70	165.5	2.2
KCCY-FM	245C	LIC	Pueblo	CO	138.3	256.76	248.5	8.3
KUUR	244A	LIC-N	Carbondale	CO	201.3	126.98	105.5	21.5
KBCO	247C	LIC-D	Boulder	CO	115.4	145.61	104.5	41.1
KXPK	243C	LIC	Evergreen	CO	127.7	145.79	104.5	41.3
KLHQ.C	245A	CP -N	Hotchkiss	CO	207.4	208.08	165.5	42.6
KAYV	246A	LIC	Crested Butte	CO	184.0	176.08	105.5	70.6
KQSW	243C	LIC	Rock Springs	WY	299.5	219.26	104.5	114.8
KRNL	244C2	LIC-N	Casper	WY	9.7	254.63	129.5	125.1
KQKS	298C	LIC	Lakewood	CO	121.2	166.95	34.5	132.5
DKTDM	298C2	VAC	Rawlins	WY	355.5	153.41	19.5	133.9
KCMI	246C1	LIC	Terrytown	NE	61.8	297.03	157.5	139.5
KCYN	246C1	LIC	Moab	UT	225.1	304.22	157.5	146.7
KWUZ	248C3	LIC-N	Poncha Springs	CO	162.6	236.22	55.5	180.7
KWUZ	248A	LIC-Z	Poncha Springs	CO	162.6	236.22	54.5	181.7
KTWY	246C1	LIC-D	Shoshoni	WY	344.0	341.88	157.5	184.4

Call	CH#	Type	Location		Azi	D-KM	FCC	Margin
KSYF	298C1	LIC-N	Olathe	CO	197.5	243.90	26.5	217.4
NEW.C	247A	CP	Lake City	CO	188.8	279.61	54.5	225.1
KDLY	248C1	LIC	Lander	WY	328.9	305.35	78.5	226.9
KZBR	246C3	LIC	La Jara	CO	169.6	351.59	116.5	235.1
KZNS-FM	248C	LIC	Coalville	UT	278.3	354.63	104.5	250.1
KSLV-FM	243C3	LIC-N	Del Norte	CO	176.0	306.60	55.5	251.1
KSRX	248C2	LIC	Sterling	CO	89.4	312.08	57.5	254.6
AL1856	242A	VAC	Lusk	WY	36.6	316.38	54.5	261.9
AL1856	242A	VAC	Lusk	WY	36.6	316.38	54.5	261.9

All separation margins include rounding

FIGURE 2 - DETAILED OVERLAP STUDY WITH KYAP NUNN, CO
 KBCR-FM STEAMBOAT SPRINGS, CO, CH. 245C2

FMCommander Single Allocation Study - 04-15-2018 - NGDC 30 SEC
 KBCR-FM's Overlaps (In= 0.0 km, Out= 0.0 km)

KBCR-FM CH 245 C2
 Lat= 40 27 05.0, Lng= 106 45 04.0
 3.0 kW 533 m HAAT, 3150 m COR
 Prot.= 60 dBu, Intef.= 40 dBu

KYAP CH 245 A 73.215 N BLH20160217AAB
 Lat= 40 46 51.0, Lng= 104 53 15.0
 4.3 kW 115 m HAAT, 1777 m COR
 Prot.= 60 dBu, Intef.= 40 dBu

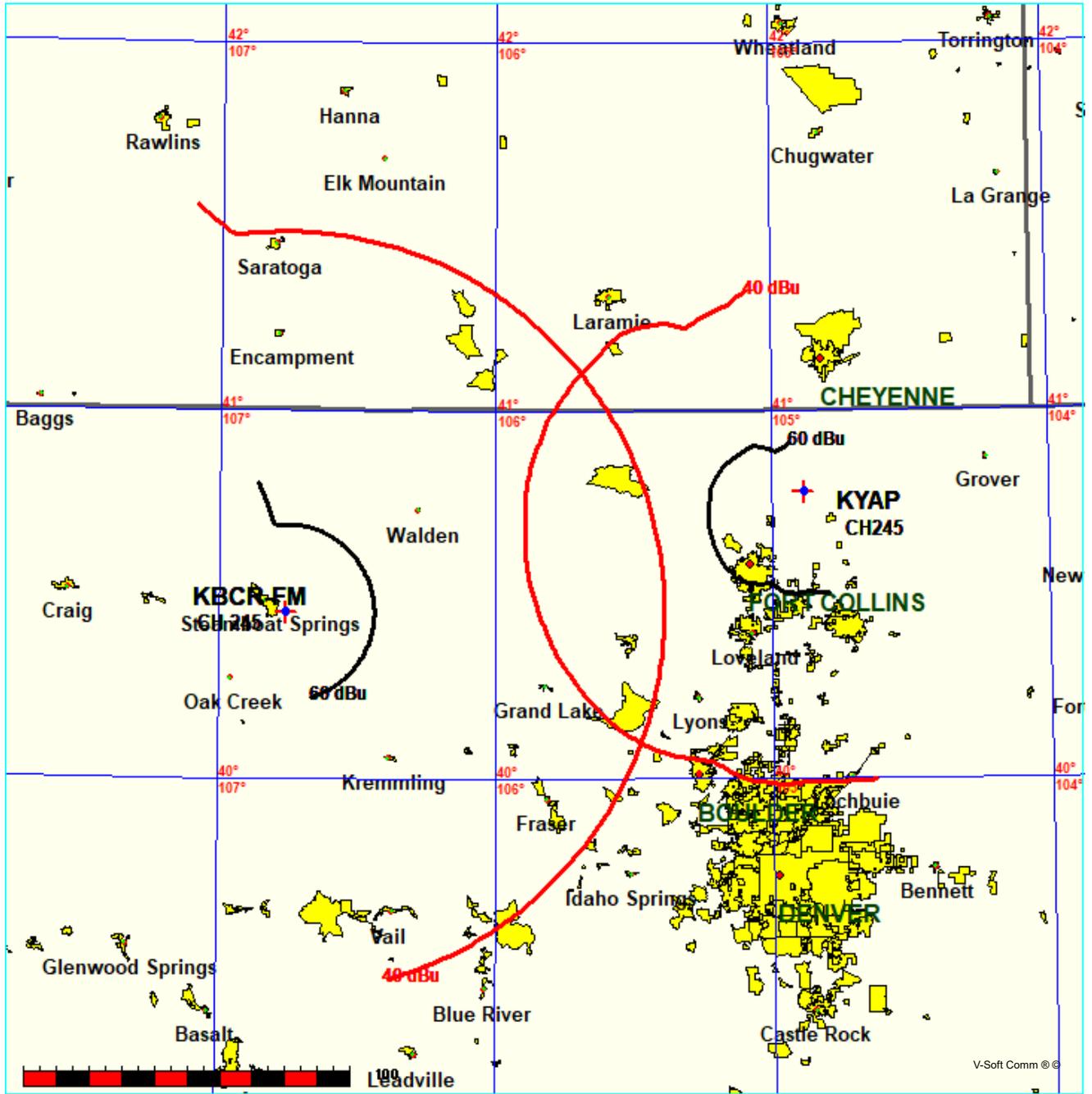


FIGURE 4 - PREDICTED 70 DBU CONTOUR
KBCR-FM STEAMBOAT SPRINGS, CO, CH. 245C2

Coverage Study - NGDC 30 SEC
04-15-2018

KBCR-FM CH245 C2, 3.0 kW, 533.0m HAAT, 3150.0m COR AMSL
Service Contour = 70 dBu. Population = 17,303

