

TECHNICAL STATEMENT
K244AR PINE BLUFFS, WYOMING, CH. 243D
MOUNTAIN COMMUNITY TRANSLATORS, LLC
FCC FORM 349
NOVEMBER 2010

This Technical Statement is made in regards to a minor change application for K244AR Pine Bluffs, Wyoming, facility ID 33475. K244AR seeks to relocate its transmission facilities to a new FCC registered tower, ASR 1203470. It also seeks to increase its effective radiated power to 0.205 watts with a one bay circular polarized, non-directional antenna system with a center of radiation of 1641 meters above sea level and 16 meters above the ground level. K244AR also seeks to once step channel change from its current channel of 244D to channel 243D.

Figure 1 is a detailed interference study which shows that the proposed operation of K244AR on channel 243D. It shows that there will not be any outgoing interference caused to any licensed or proposed stations on any of the pertinent adjacent channels. There appears to be some outgoing interference caused to an allotment record for KCMI Terrytown, Nebraska, facility ID 11069. However, no outgoing interference will be caused to the license record for KCMI. A show cause order has been sent to KCMI in regards to a planned change by KIMX Laramie, Wyoming, proposing to change the licensed operation of KCMI at its current site from channel 245C1 to 246C1. Because there are no proposed changes to the licensed operation of KCMI, other than the proposed change in channel, KCMI will be protected on either channel 245C1 or 246C1 by the proposed operation of K244AR on channel 243D.

Figure 2 show the present and proposed 60 dB μ contour for K244AR.

The proposed operation of K244AR will meet the maximum ERP requirements under 74.1235(b)(2) since the highest radial in any of the pertinent 12 average terrain radials will be 116 meters. This will allow for a maximum ERP of 205 watts with the proposed use of a non-directional antenna system.

It was determined that the proposed new operation of K244AR at Pine Bluffs, Wyoming will meet all of the technical requirements for an FM translator station.

FIGURE 1, DETAILED CHANNEL INTERFERENCE STUDY
 K244AR PINE BLUFFS, WYOMING, CH. 243D
 Average Protected F(50-50)= 9.01 km
 Omni-directional

REFERENCE
 41 09 55.0 N.
 104 04 31.0 W.

CH# 243D - 96.5 MHz, Pwr= 0.205 kW, HAAT= 52.2 M, COR= 1641 M

DISPLAY DATES
 DATA 11-06-10
 SEARCH 11-06-10

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
244D Pine Bluffs	K244AR *	LIC_CN WY		355.4 175.4	0.9 BLFT19820304IA	41 10 23.0 104 04 34.0	0.018 50	5.2 1621	3.6 Mountain Community Transla	-13.3*	-15.4* *
243C Evergreen	KXPK	LIC_CN CO		216.3 35.3	204.1 BLH19940701KC	39 40 35.0 105 29 09.0	100.000 530	204.2 3281	95.7 Entravision Holdings, Llc	-9.4*<	77.4
246C1 Terrytown	R12047 **	ADD ___ NE		28.6 208.8	68.0	41 42 08.0 103 41 00.0	100.000 299	9.3 1607	68.4 Appaloosa Broadcasting Com	48.5	-1.3* **
245C1 Terrytown	R12047 **	DEL ___ NE		28.6 208.8	68.0	41 42 08.0 103 41 00.0	100.000 299	9.3 1607	68.4 Appaloosa Broadcasting Com	48.5	-1.3* **
245C1 Terrytown	KCMI **	LIC_CN NE		28.6 208.8	68.0 BLH19881221KC	41 42 08.0 103 41 00.0	100.000 211	7.5 1521	60.4 Christian Media Incorporat	50.3	6.6 **
297C3 Albin	KKAW	LIC_NC_ WY		358.7 178.7	36.3 BLH20001201ABA	41 29 31.0 104 05 07.0	9.300 162	34.0 1719	31.1 Chisholm Trail Broadcastin	12.0R	24.3M
243C1 Julesburg	KJBL	CP ___ CO		96.8 278.0	153.6 BPH20100426ACB	40 59 18.0 102 15 44.0	55.000 -21	117.2 1090	27.1 Armada Media - Mccook, Inc	26.5	93.4
241C1 Greeley	KSME	LIC ___ CO		233.8 53.2	90.7 BLH20010411AAR	40 40 50.0 104 56 32.0	100.000 224	8.0 1819	62.6 Citicasters Licenses, Inc.	74.6	27.1
296D Cheyenne	K296FZ	LIC ___ WY		269.5 89.1	54.3 BLFT20090415ADM	41 09 34.0 104 43 19.0	0.250	12.1 1882	12.1 Mitchell A. Beranek	10.0R	44.3M
242C Lusk	KQWY	CP ___ WY		344.1 163.7	175.7 BNPH20060308ALY	42 41 05.0 104 39 53.0	100.000 597	131.0 2233	87.7 Robert. B. Rose	35.8	75.5
244C2 Laramie	KIMX	LIC_NC_ WY		277.2 96.3	115.6 BLH20070130AIV	41 17 15.0 105 26 38.0	4.800 313	67.2 2730	45.1 Appaloosa Broadcasting Com	41.5	60.6
245D Cheyenne	651553	APP ___ WY		266.3 85.9	52.0 BNPFT20030317LZJ	41 08 00.0 104 41 37.0	0.050	0.5 1865	8.4 Mary Medicus	43.1	42.6
245A Nunn	KIMX	CP ___ CO		238.2 57.7	80.6 BPH20070822AAL	40 46 51.0 104 53 15.0	6.000 100	2.7 1761	28.1 Appaloosa Broadcasting Com	69.8	51.5
245A Nunn	KIMX	RSV-A ___ CO		238.2 57.7	80.6	40 46 51.0 104 53 15.0	6.000 100	2.7 1759	27.8 Appaloosa Broadcasting Com	69.8	51.8
240C2 Fleming	KMAP	CP ___ CO		126.1 306.8	109.2 BMPH20090213GWP	40 34 57.0 103 01 56.0	26.000 150	5.9 1460	52.9 Kona Coast Radio, Llc	96.0	55.2
245A Nunn	KIMX	APP ___ CO		262.2 81.4	96.0 BMPH20091230ABT	41 02 34.0 105 12 22.0	2.100 169	2.7 2374	33.3 Appaloosa Broadcasting Com	84.8	61.7
245D Wellington	644795	APP ___ CO		233.8 53.2	90.7 BNPFT20030317DAZ	40 40 50.1 104 56 32.1	0.028	0.4 1822	10.4 Radio Assist Ministry, Inc	82.1	79.3
245D Fort Collins, Etc.	K206DB	APP ___ CO		227.3 46.8	95.4 BMJFFT20030312AOF	40 34 53.0 104 54 20.0	0.205	1.0 1588	6.7 Boulder Community Broadcas	85.8	87.7
244D Hurley	K298AK	LIC ___ CO		159.6 339.9	105.4 BLFT20070404ABN	40 16 30.0 103 38 33.0	0.250	10.5 1378	7.4 Community Radio For Northe	88.1	88.4
245D Kersey	631579	APP ___ CO		212.9 32.4	102.5 BNPFT20030312AWU	40 23 19.0 104 43 56.0	0.050	0.0 1528	1.7 Educational Communications	93.1	99.8
246D Fort Collins	633539	APP ___ CO		233.7 53.1	104.7 BNPFT20030317AYC	40 36 17.5 105 04 24.9	0.250	1.1 1535	7.1 Horizon Christian Fellowsh	95.3	96.6
245D Fort Collins	632616	APP ___ CO		232.8 52.2	106.4 BNPFT20030317BNO	40 35 00.0 105 04 41.0	0.250	1.1 1560	7.1 Educational Media Foundati	97.0	98.3
243D Boulder	KXPK-FM1	LIC ___ CO		216.0 35.3	164.8 BLFTB19950119TD	39 57 38.0 105 12 44.0	0.500 -52	55.6 1753	17.6 Entravision Holdings, Llc	99.9	116.2
245D Omega	630379	APP ___ CO		234.3 53.5	116.9 BNPFT20030317AZN	40 32 47.0 105 11 50.0	0.010	0.2 2189	14.0 Horizon Christian Fellowsh	108.5	101.9
240D Laramie	651852	APP ___ WY		278.4 97.5	116.7 BNPFT20030317MGS	41 18 39.0 105 27 12.0	0.011	0.2 2740	10.7 Mary Medicus	109.5	105.0

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
296C Bennett	KDHT-FM	LIC NC_ CO		176.3 356.4	138.3 BMLH20081028ABZ	39 55 22.0 103 58 18.0	97.000 624	116.7 2109	93.5 Max Radio Of Denver Llc	29.0R	109.3M
245D Loveland	631561	APP DE_ CO		231.6 50.9	119.5 BNPFT20030312AEP	40 29 36.0 105 10 52.0	0.010	0.1 2078	4.4 Educational Communications	111.1	114.0
243A Julesburg	KJBL	LIC _CX CO		96.8 278.0	153.6 BLH20060825ABR	40 59 18.0 102 15 44.0	0.265 -32	24.1 1074	7.2 Armada Media - Mccook, Inc	119.6	113.3
296D Aurora	KDHT-FM3	LIC DC_ CO		202.4 21.9	178.8 BLFTB20050729DSZ	39 40 31.0 104 52 22.0	20.000	44.3 1766	39.7 Max Radio Of Denver Llc	12.0R	166.8M
245C Pueblo	KCCY	LIC _CY CO		194.2 13.7	277.0 BLH19940217KC	38 44 43.0 104 51 41.0	72.000 695	16.1 2946	103.4 Capstar Tx Llc	253.0	172.5

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference zone = 2, Co to 3rd adjacent.
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.

* Translator being modified by this application.

** While there would be some prohibited overlap with the present and proposed allotment points for KCMJ
Terrytown, Nebraska, facility ID 11069, there will not be any prohibited overlap with the licensed
operation of KCMJ. KCMJ has been issued a show cause order to change channels from 245C1 to 246C1.
However, operation on channel 246C1 would be the same as its currently licensed operation on channel 245C1.
As can be seen, there is no outgoing interference caused to KCMJ as currently licensed.

FIGURE 2, PRESENT AND PROPOSED 60 DBU CONTOURS
K244AR PINE BLUFFS, WYOMING, CH. 243D

