

TECHNICAL STATEMENT
K244EE NEWCASTLE, WYOMING
CEDAR COVE BROADCASTING, INC.
FORM 349
OCTOBER 2010

This Technical Statement is filed in support of an application for a minor change of the license facilities of K244EE Newcastle, Wyoming, facility ID 148078. K244EE seeks to re-locate to an existing tower site located Elk Mountain, reduce its Effective Radiated Power to 0.011 kilowatts, increase its antenna Height Above Mean Sea Level to 1736 meters, and operate with a non-directional antenna system.

Figure 1 is a detailed interference study which documents that there will not be any outgoing interference caused to any other stations on any of the pertinent same or adjacent channels.

Figure 2 is a predicted 60 dB μ contour map showing the present and proposed contours.

It was determined that the proposed operation of K244EE Newcastle, WY from its new proposed transmitter site will meet all of the current rules and regulations for an FM translator station.

FIGURE 1, DETAILED CHANNEL STUDY

K244EE NEWCASTLE, WYOMING, CH. 244D

REFERENCE CH# 244D - 96.7 MHz, Pwr= 0.011 kW, HAAT= 311.1 M, COR= 1736 M
43 43 27.0 N. Average Protected F(50-50)= 10.55 km
104 02 27.0 W. Omni-directional

DISPLAY DATES
DATA 10-30-10
SEARCH 10-30-10

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT* (Overlap in km)
244D Newcastle	K244EE *	LIC	_C_	310.2 130.1	18.7 BLFT20070622ABQ	43 49 57.0 104 13 08.0	0.075 1385	38.4	10.9	-30.0*<	-34.4< *
244A Hot Springs	KZMX-FM	LIC	_HN	123.5 303.9	56.5 BMLH19901010KC	43 26 34.0 103 27 27.0	1.400 135	40.0	17.4	6.0	6.4
247C0 Gillette	KAML-FM	LIC	_CX	287.9 107.0	102.2 BLH20081002ADT	43 59 57.0 105 15 15.0	100.000 335	10.5	74.2	79.2	27.8
242C Lusk	KQWY	CP	_CX	203.8 23.4	126.1 BNPH20060308ALY	42 41 05.0 104 39 53.0	100.000 597	13.6	91.4	100.4	34.5
244C2 Casper	KRNK	CP	NCX	240.1 58.5	213.9 BPH20070129AJP	42 44 37.0 106 18 24.0	2.700 554	137.9	60.2	63.1	106.9
244C2 Casper	KRNK	LIC	NCX	240.1 58.5	213.9 BMLH20060901AAS	42 44 37.0 106 18 24.0	2.850 540	137.9	60.2	63.1	106.9
242D Rapid City	K242BK	LIC	_C_	58.6 239.1	74.1 BLFT20050112ACT	44 04 07.0 103 15 02.0	0.250 1220	1.1	7.1	67.1	66.8
245D Spearfish	K245BD	LIC	DV_	10.8 191.0	87.0 BLFT20100607AAU	44 29 33.0 103 50 05.0	0.027 1368	5.3	3.9	72.4	72.4
245D Spearfish	K245BD	CP	DC_	10.8 191.0	87.0 BPFT20100628AGH	44 29 33.0 103 50 05.0	0.053 1374	2.6	3.8	75.2	73.1
245C1 Terrytown	R12047	DEL	___	172.5 352.7	226.5	41 42 08.0 103 41 00.0	100.000 299	112.4	78.0	102.7	133.5
243C1 Buffalo	R12805	ADD	___	293.7 111.7	245.6	44 34 32.0 106 52 23.0	100.000 299	121.3	84.0	111.8	144.5
245C1 Terrytown	KCMI	LIC	_CN	172.5 352.7	226.5 BLH19881221KC	41 42 08.0 103 41 00.0	100.000 211	101.9	72.1	113.1	139.9
246C Faith	KPSD-FM	LIC	_CN	43.1 224.3	204.7 BLED19890616KA	45 03 14.0 102 15 47.0	100.000 465	11.9	81.9	187.0	122.6
243C1 Buffalo	KLGT	CP	_CX	293.7 111.7	245.6 BPH20090310AAI	44 34 32.0 106 52 23.0	100.000 109	98.7	70.1	134.3	158.4

Terrain database is USGS 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. 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.

FIGURE 2, PRESENT AND PROPOSED 60 DBU CONTOURS
K244EE NEWCASTLE, WYOMING, CH. 244D

Coverage Study - USGS 03 SEC
10-30-2010

K244EE CH244 D , 0.075 kW, 0.0M HAAT, 1385.0M COR AMSL
Service Contour = 60 dBu. Population = 304

