

TELECOMMUNICATIONS ENGINEERING
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12 October 2021
Prepared for the University of Montana
New NCE, Dillon, Montana

ALLOCATION CONSIDERATIONS

On 12 October 2021, a computerized allocation analysis was performed on the facilities proposed herein using data from the Commission's CDBS and LMS, current as of 5 October 2021. The software to perform this analysis was provided by V-Soft Communications. A copy of this study is attached.

This analysis revealed one allocation, application or assignment requiring further study. This is the licensed facilities of KTVM-DT, Channel 6. Attached is an exhibit showing conclusively that facilities proposed herein meet the requirements regarding interference to Television Channel 6 spelled out in 47 CFR 73.525.

The applicant believes that the facilities proposed herein meet all of the Commission's rules of allocation and those outlined in the Agreement Between the United States and Canada.

Gray Frierson Haertig & Assoc.
Portland, Oregon

University of Montana
Missoula, Montana

REFERENCE CH# 219A - 91.7 MHz, Pwr= 1 kw, HAAT= -61.7 M, COR= 1603 M
45 12 32.70 N.
112 38 17.00 W.
Average Protected F(50-50)= 10.16 km
Omni-directional

DISPLAY DATES
DATA 10-05-21
SEARCH 10-12-21

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*
06 2C Butte	KTVM-TV	LI _HN MT		9.7 189.8	90.06 BLCDT-20100629AVB	46 00 27.00 112 26 32.99	19.200 591	4.0 2566	111.4	115.4R	-25.3M
217C1 Butte	KAPC	APP _CN MT		9.7 189.8	90.06 0000162760	46 00 27.00 112 26 33.00	10.000 571	6.0 2550	70.2	67.9	18.1
220C2 Bozeman	KGLT	LIC DCN MT		49.4 230.3	128.94 BLED20160816AAD	45 57 24.70 111 22 16.90	12.000 262	82.3 1697	55.8	30.6	54.5
217C2 Butte	KAPC	LIC _CN MT		9.7 189.8	90.05 BLED19990222KB	46 00 26.70 112 26 33.10	0.800 571	1.9 2550	44.9	72.0	42.4

Terrain database is NGDC 30 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= - Zone 2,Co to 3rd adjacent.
All separation margins (if shown) include rounding.
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 restricted contour.
« = Station meets FCC minimum distance spacing for its class.