TELECOMMUNICATIONS ENGINEERING

GRAY FRIERSON HAERTIG & ASSOC.

4646 S.W. COUNCIL CREST DRIVE
PORTLAND, OREGON 97239
503-282-2989 (Office)
503-807-2989 (Cell)

ELECTRONIC MAIL
gfh@haertig.com

29 September 2021
Prepared for the University of Utah
New NCE, Navajo Mountain, Utah

ALLOCATION CONSIDERATIONS

On 29 September 2021, a computerized allocation analysis was performed on the facilities proposed herein using data from the Commission's CDBS and LMS, current as of 29 September 2021. The software to perform this analysis was provided by V-Soft Communications. A copy of this study is attached.

This analysis revealed no assignments, allocations or applications requiring further study

The applicant believes that the facilities proposed herein meet all of the Commission's rules of allocation.

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                        Gray Frierson Haertig & Assoc.
                             Portland, Oregon

                             University of Utah
                             Salt Lake City, Utah
REFERENCE         CH#  214C0 - 90.7 MHz, Pwr= 2.5 kW,  HAAT= 1490.5 M,  COR= 3139 M       DISPLAY DATES
37 02 37.20 N.                Average Protected F(50-50)= 72.67 km                        DATA   09-29-21
110 52 23.10 W.                         Omni-directional                                 SEARCH 09-29-21
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CH     CALL       TYPE  ANT    AZI    DIST           LAT         PWR(kW) INT(km)  PRO(km)  *IN*     *OUT*
CITY              STATE        <--    FILE #         LNG         HAAT(M) COR(M)   LICENSEE (Overlap in km)
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217C0 KGHR        LIC DHN     201.2   81.79          36 21 26.90 100.000    9.1    67.7    2.9      10.7
Tuba City          AZ         21.0    BLED20060718AAF 111 12 14.50  322     2097    Tuba City High School Boar

213C1 KZET        LIC _CN      83.3   184.15         37 13 12.90   2.000    92.7    62.3    20.5     16.0
Towaoc             CO         264.5   BLED20140513AEK 108 48 26.30  873     2726    Community Radio Project

214A  KEZB        LIC _CN     315.6   222.03         38 27 22.80   0.150    68.4    20.0    81.8     37.8
Beaver             UT         134.5   BLED20180727AAZ 112 39 30.70  302     2408    Beaver Radio, Inc.

213A  KFDJ        LIC _HN     279.7   159.57         37 16 15.90   0.450    11.7     8.3    73.9     41.7
Glendale           UT          98.6   BLED20130107AAJ 112 39 04.70 -236     1684    Advance Ministries, Inc. D

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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)
« = Station meets FCC minimum distance spacing for its class.
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