

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

4 April 2022
Prepared for Fresh Life Church
KYWH, Lockwood, Montana

ALLOCATION CONSIDERATIONS

On 4 April 2022, a computerized allocation analysis was performed on the facilities proposed herein using data from the Commission's CDBS and LMS, current as of 4 April 2022. The software to perform this analysis was provided by V-Soft Communications. A copy of this study is attached.

This analysis revealed one assignment requiring further study. This is the licensed Class A facilities of second-channel adjacent KLMT, Billings, Montana. The proposed 100 dBu interfering contour is entirely encompassed by the KLMT 60 dBu protected contour.

Special Operating Condition Number 4 of BLED-20140715ACC states, in part, "Further modification of KYWH(FM), Facility ID No. 93512, Lockwood, MT will not be construed as a per se modification of KLMT-FM's construction permit (BPED-20140715ACC). (See Educational Information Corporation, 6 FCC Rcd. 2207 (1991))."

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

Gray Frierson Haertig & Assoc.
Portland, Oregon

Fresh Life Church, Inc.
Carson City, Nevada

REFERENCE CH# 205C3 - 88.9 MHz, Pwr= 3 kw, HAAT= 146.8 M, COR= 1264 M
45 39 31.00 N.
108 34 16.00 W.
Average Protected F(50-50)= 28.6 km
Omni-directional

DISPLAY DATES
DATA 04-01-22
SEARCH 04-04-22

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*
205A	KYWH	LIC DVN	325.3	26.33		45 51 11.80	1.900		---	Reference---	
	Lockwood	MT	145.2	BLED20060127	ANY	108 45 52.50	138	1292		Fresh Life Church, Inc.	
207A	KLMT	LIC _CN	37.5	14.72		45 45 49.30	1.500	1.9	22.4	-22.1*	-10.7*
	Billings	MT	217.5	BLED20170907	ABU	108 27 20.40	153	1203		western Inspirational Broa	
206C1	KNWT	LIC _CN	189.5	122.15		44 34 29.30	16.500	106.1	71.2	0.2	31.3
	Cody	WY	9.3	BLED20180725	AAP	108 49 35.00	483	2009		University Of Wyoming	
202A	KPGH	LIC _VN	173.8	25.01		45 26 05.80	0.360	1.3	7.8	10.5	13.5
	Pryor	MT	353.8	BLED20161114	ADG	108 32 11.40		1281		Faith Baptist Church	
203C3	KNPC	LIC _HN	71.3	59.41		45 49 38.70	1.700	2.4	29.9	27.7	26.4
	Hardin	MT	251.8	BLED20190610	AAQ	107 50 40.60	219	1232		Hi-Line Radio Fellowship,	
207A	KYPB	LIC _CN	275.9	107.94		45 45 00.80	0.500	1.6	23.4	70.3	81.4
	Big Timber	MT	94.9	BLED20101027	ACA	109 57 18.70	126	1527		Montana State University -	
205A	KOHR	LIC _VN	126.1	160.09		44 47 53.90	0.425	41.8	10.1	96.1	72.5
	Sheridan	WY	307.3	BLED20081201	ALX	106 55 53.20	22	1248		Hi-Line Radio Fellowship,	

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.

Prop

Latitude: 45-39-31 N
Longitude: 108-34-16 W
ERP: 3.00 kW
Channel: 205
Frequency: 88.9 MHz
AMSL Height: 1264.0 m
Horiz. Pattern: Omni
Vert. Pattern: No

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45-40-00 N

109-00-00 W

108-40-00 W

108-20-00 W

10

Lockwood

+
Prop

Proposed 60 dBu Coverage Contour

Scale 1:500,000
0 7 14 21 km