

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

3 December 2021
Prepared for Radio Bilingue
New NCE, Williams, California

ALLOCATION CONSIDERATIONS

On 3 December 2021, a computerized allocation analysis was performed on the facilities proposed herein using data from the Commission's CDBS and LMS, current as of 3 December 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.

Gray Frierson Haertig & Assoc.
Portland, Oregon

Radio Bilingue, Inc.
Fresno, California

REFERENCE CH# 217B1 - 91.3 MHz, Pwr= 6.1 kw, HAAT= 18.4 M, COR= 60 M
39 08 06.90 N.
122 08 01.50 W.
Average Protected F(50-50)= 15.82 km
Omni-directional

DISPLAY DATES
DATA 12-03-21
SEARCH 12-03-21

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*
217C	KNIS Carson City	LIC _CN NV		85.5 267.0	209.25 BMLED20190710AAE	39 15 30.90 119 42 37.10	67.000 660	190.1 2311	88.5	0.2	46.3 Western Inspirational Broa
218B	KZYZ Willits	LIC _CN CA		282.6 101.9	100.17 BLED20050602ACQ	39 19 34.50 123 16 14.00	1.700 545	76.5 1021	51.0	7.9	25.5 Mendocino County Public Br
220B	KLVR Middletown	LIC ZCN CA		219.9 39.6	67.41 0000145085	38 40 08.00 122 37 54.00	0.800 925	2.0 1346	52.3	49.6	13.5 Educational Media Foundati
217A	KSVY Sonoma	LIC DCN CA		197.6 17.3	105.28 0000165159	38 13 54.60 122 29 50.90	0.790 189	54.2 272	11.2	39.2	14.1 Sonoma Valley Community Co
215B	KXJZ Sacramento	LIC _CN CA		129.8 310.2	73.49 BLED19841106KS	38 42 37.60 121 28 57.80	50.000 147	5.9 155	51.6	48.8	20.0 California State Universit
216A	766076 Glenhaven	APP DCN CA		259.6 79.2	55.59 0000167105	39 02 34.60 122 46 01.00	0.010 1	3.8 604	2.6	36.0	28.0 One Ministries, Inc.
216A	KROV Oroville	LIC DCN CA		59.6 240.1	81.84 BLED20130424ACP	39 30 17.50 121 18 38.80	0.225 378	30.0 991	18.8	33.3	31.0 Bird Street Media Project
219B	KCHO Chico	LIC _CN CA		21.3 201.6	98.30 BLED19860514KD	39 57 29.50 121 42 51.90	7.700 372	5.3 1119	64.0	73.6	31.9 Chico State Enterprises
216A	KRCG-FM Santa Rosa	LIC _CN CA		234.8 54.3	75.73 BLED19931001KB	38 44 24.60 122 50 49.90	0.120 223	8.4 640	5.9	51.5	44.2 Rural California Broadcast
217B	KUOP Stockton	LIC DCN CA		159.4 339.9	196.28 BLED19830310AI	37 28 47.70 121 21 05.70	7.000 372	130.0 827	51.4	50.3	70.0 California State Universit
218A	KYDS Sacramento	LIC _CN CA		131.0 311.4	88.82 BLED19900426KA	38 36 32.60 121 21 41.80	0.410 33	13.5 58	9.6	56.6	51.8 San Juan Unified School Di
218A	KASK Fairfield	LIC _HN CA		172.3 352.4	91.55 BLED20070727AJF	38 19 08.70 121 59 34.90	0.075 198	20.7 308	13.4	55.2	53.7 Continuous Bible Talk
218A	KASK Fairfield	APP DCN CA		172.3 352.4	91.54 0000162772	38 19 09.10 121 59 34.60	0.170 213	19.0 308	12.5	56.9	54.8 Continuous Bible Talk

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 1A, 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.

Prop

Latitude: 39-08-06.90 N
Longitude: 122-08-01.50 W
ERP: 6.10 kW
Channel: 217
Frequency: 91.3 MHz
AMSL Height: 60.0 m
Elevation: 24.0 m
Horiz. Pattern: Omni
Vert. Pattern: No

- 60 dBu Coverage Contour
- Williams, California Corporate Limits

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39-10-00 N

39-00-00 N

122-20-00 W

122-10-00 W

122-00-00 W

121-50-00 W

Prop

Coverage of Community of License

Scale 1:300,000

0 4 8 12 km