

**THE WAY TO SALVATION COMMUNITY CHURCH
KIEV-LP 102.5 FM CAMAS, WASHINGTON
FAC ID NO. 196496**

MINOR CHANGE OF LICENSED STATION

Channel 273
New Location: 45° 39' 36.6" N 122° 23' 39.3" W-- NAD 83
45° 39' 37.2" N 122° 23' 35.0" W -- NAD 27
Antenna AGL 10.7 m
Tower Total 14.6 m
Antenna Ground 252 m
Antenna COR 262.7 m
HAAT 30 m*
Power 100 w

*FCC HAAT Calculation:

Antenna Height Above Average Terrain Calculations -- Results	
Input Data	
Latitude	45° 39' 36.6" North
Longitude	122° 23' 39.3" West (NAD 83)
Height of antenna radiation center above mean sea level: 262.7 meters AMSL	
Number of Evenly Spaced Radials = 8 0° is referenced to True North	
Results	
Calculated HAAT = 30 meters	
Antenna Height Above Average Terrain calculated using 1 km GLOBE terrain data	
Individual "Radial HAAT" Values, in meters	
0°	-102.0 m
45°	-400.6 m
90°	-62.4 m
135°	94.9 m
180°	189.1 m
225°	199.2 m
270°	177.9 m
315°	147.3 m

The Way To Salvation Community Church

REFERENCE

45 39 37.2 N.

CLASS = L1

DISPLAY DATES

DATA 06-10-18

122 23 35.0 W.

Current Spacings to 2nd Adj.

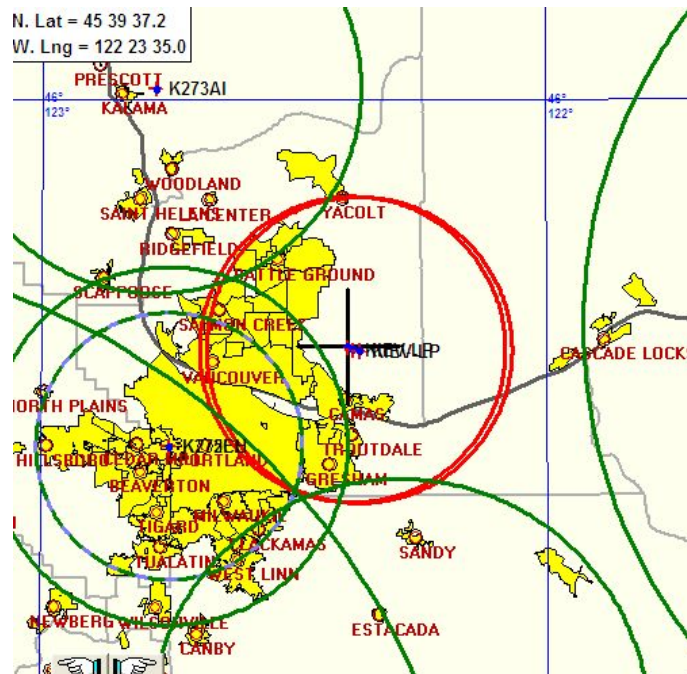
SEARCH 06-29-18

----- Channel 273 - 102.5 MHz -----

Call		Channel	Location		Azi	Dist	FCC	Margin
KIEV-LP	LIC	273L1	Camas	WA	123.1	0.81	23.5	-22.7
KIEV-LP	LIC	273L1	Camas	WA	107.5	1.82	23.5	-21.7
K272EL	LIC-D	272D	Portland	OR	240.9	31.50	27.5	4.0
K275CH	LIC	275D	Gresham	OR	240.9	31.50	20.5	11.0
K273AI	LIC	273D	Ariel	WA	323.4	49.43	31.5	17.9
K273AJ	CP -D	273D	Elwood	OR	172.3	59.35	38.5	20.9
K273AJ	LIC	273D	Elwood	OR	172.3	59.35	38.5	20.9
KYTE	LIC-N	274C0	Independence	OR	223.6	131.70	110.5	21.2
KYYT	LIC-Z	272C2	Goldendale	WA	88.3	115.71	79.5	36.2

Reference station has protected zone issue: Canada

All separation margins include rounding



Minor Change Move

Facility proposes 0.81 km move.

60 dBu FCC Contour

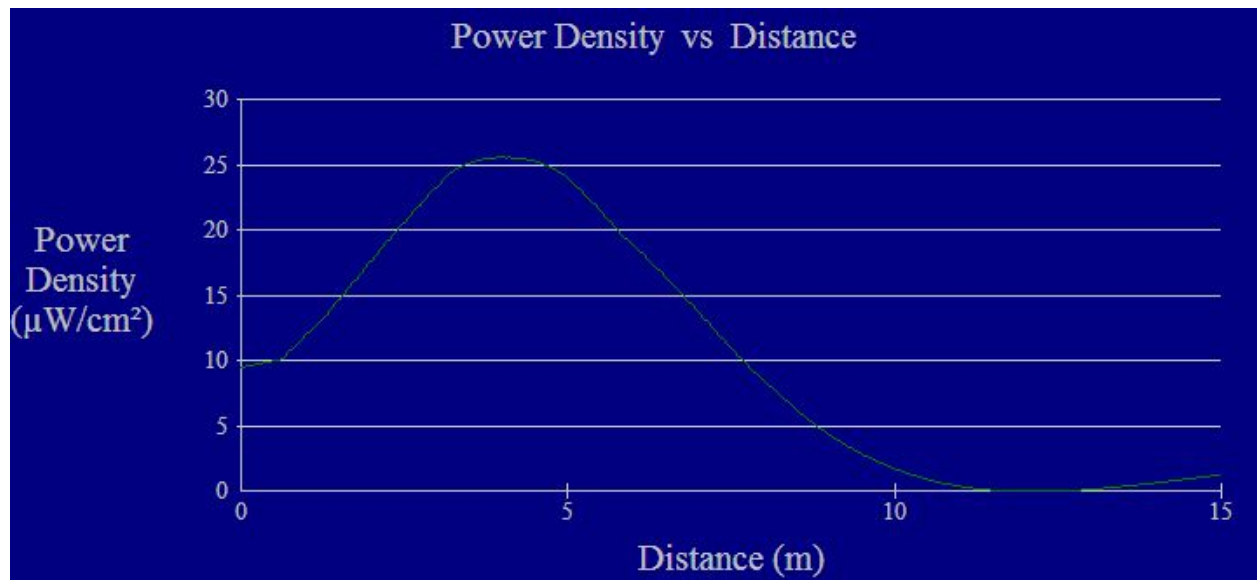


TOWAIR (PASS)

DETERMINATION Results							
PASS SLOPE(50:1): NO FAA REQ-RWY 10499 MTRS OR LESS & 3616.75 MTRS (3.6168) KM AWAY							
Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	45-37-40.00N	122-23-56.00W	GROVE FIELD	CLARK CAMAS, WA	125.0	826.0
Your Specifications							
NAD83 Coordinates							
Latitude						45-39-36.6 north	
Longitude						122-23-39.3 west	
Measurements (Meters)							
Overall Structure Height (AGL)						14.6	
Support Structure Height (AGL)						0	
Site Elevation (AMSL)						252	
Structure Type							
LTOWER - Lattice Tower							

Environmental Compliance

A two bay double-v antenna was used to gauge the maximum RF for the proposal in OET program FM Model for Windows demonstrating a peak exposure of $25.6 \mu\text{W}/\text{cm}^2$ 3.7 from the antenna for a person 1.7 meters standing under the antenna considering full wave spacing. This is 13% of the FCC Maximum Permissible Exposure (MPR) for $200 \mu\text{W}/\text{cm}^2$ for Unrestricted Areas so the proposal passes compliance.



Other: Booster Compliance

Proposed maintains FCC 60 dBu over KIEV-LP-FM1 (BLFTB-20180425ABJ)

