

**THE WAY TO SALVATION COMMUNITY CHURCH  
KIEV-LP 102.7 FM CAMAS, WASHINGTON  
FAC ID NO. 196496**

**MINOR CHANGE OF LICENSED STATION**

Channel 274  
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

DISPLAY DATES

45 39 37.2 N.

CLASS = L1

DATA 06-10-18

122 23 35.0 W.

Current Spacings to 2nd Adj.

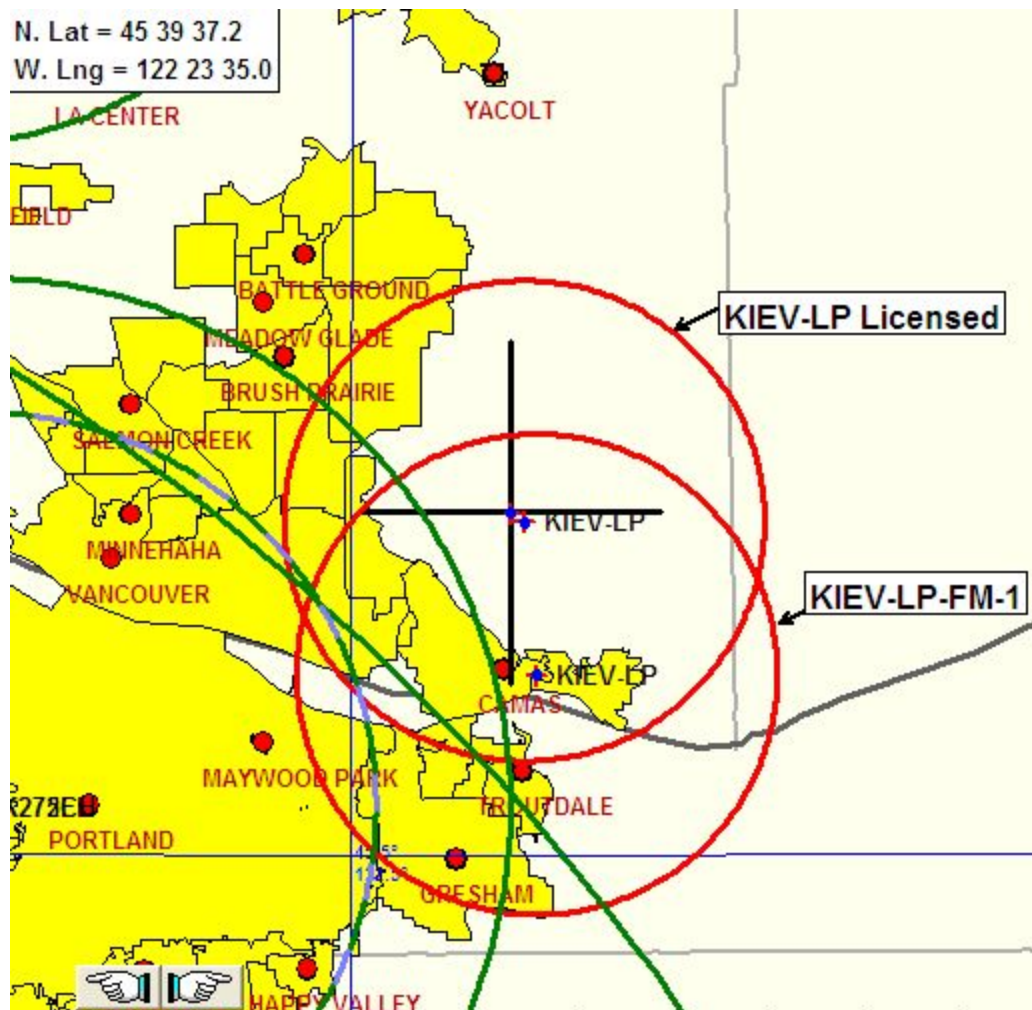
SEARCH 06-29-18

----- Channel 274 - 102.7 MHz -----

Call	Channel	Location		Azi	Dist	FCC	Margin
KIEV-LP	LIC	273L1	Camas	WA	123.1	0.81	12.5 -11.7
KIEV-LP	LIC	273L1	Camas	WA	171.0	8.54	12.5 -4.0
K275CH	LIC	275D	Gresham	OR	240.9	31.50	27.5 4.0
KYTE	LIC-N	274C0	Independence	OR	223.6	131.70	121.5 10.2
K272EL	LIC-D	272D	Portland	OR	240.9	31.50	20.5 11.0
K273AI	LIC	273D	Ariel	WA	323.4	49.43	20.5 28.9
K273AJ	CP -D	273D	Elwood	OR	172.3	59.35	27.5 31.9
K273AJ	LIC	273D	Elwood	OR	172.3	59.35	27.5 31.9
KFNY	LIC	275C	Centralia	WA	338.9	157.01	119.5 37.5

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Reference station has protected zone issue: Canada

All separation margins include rounding



### Minor Change Move

Facility proposes 0.81 km move.  
Channel Change 1 Channel Up

### 60 dBu FCC Contour

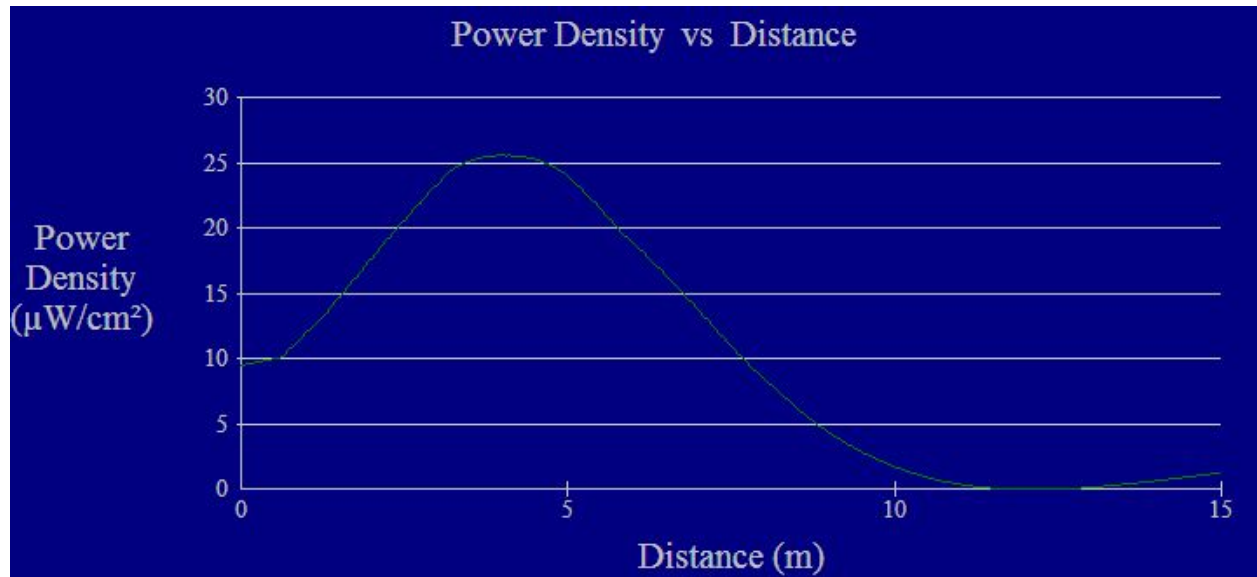


## TOWAIR (PASS)

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)

