

**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.

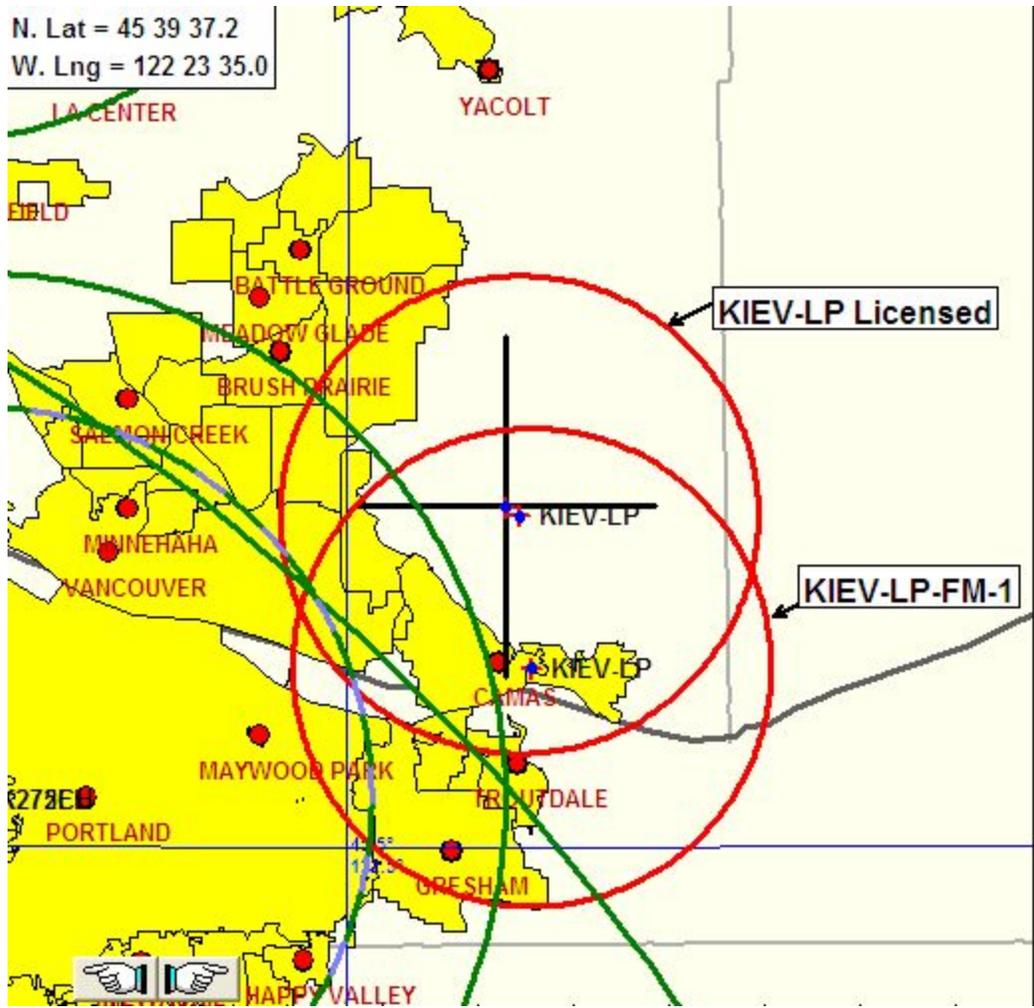
SEARCH 06-29-18

----- 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**

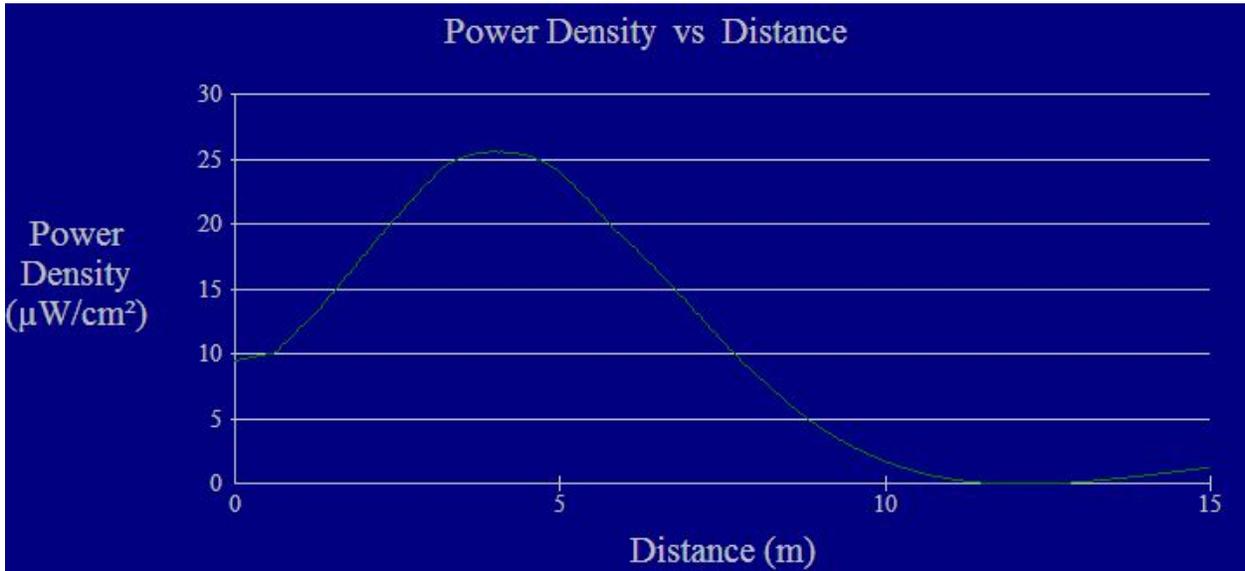


**TOWAIR (PASS)**

<b>DETERMINATION Results</b>							
<b>PASS SLOPE(50:1): NO FAA REQ-RWY 10499 MTRS OR LESS &amp; 3616.75 MTRS (3.6168 ) KM AWAY</b>							
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
<b>Your Specifications</b>							
<b>NAD83 Coordinates</b>							
Latitude						45-39-36.6 north	
Longitude						122-23-39.3 west	
<b>Measurements (Meters)</b>							
Overall Structure Height (AGL)						14.6	
Support Structure Height (AGL)						0	
Site Elevation (AMSL)						252	
<b>Structure Type</b>							
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)

