

**PROPOSED MINOR MODIFICATION
WAY TO SALVATION COMMUNITY CHURCH, CAMAS, WA
FOR KCVD-LP FACILITY, FAC. ID No. 196496**

This proposal intends upon moving facility to new tower location and switch channels for improved coverage of its intended community.

PROPOSAL

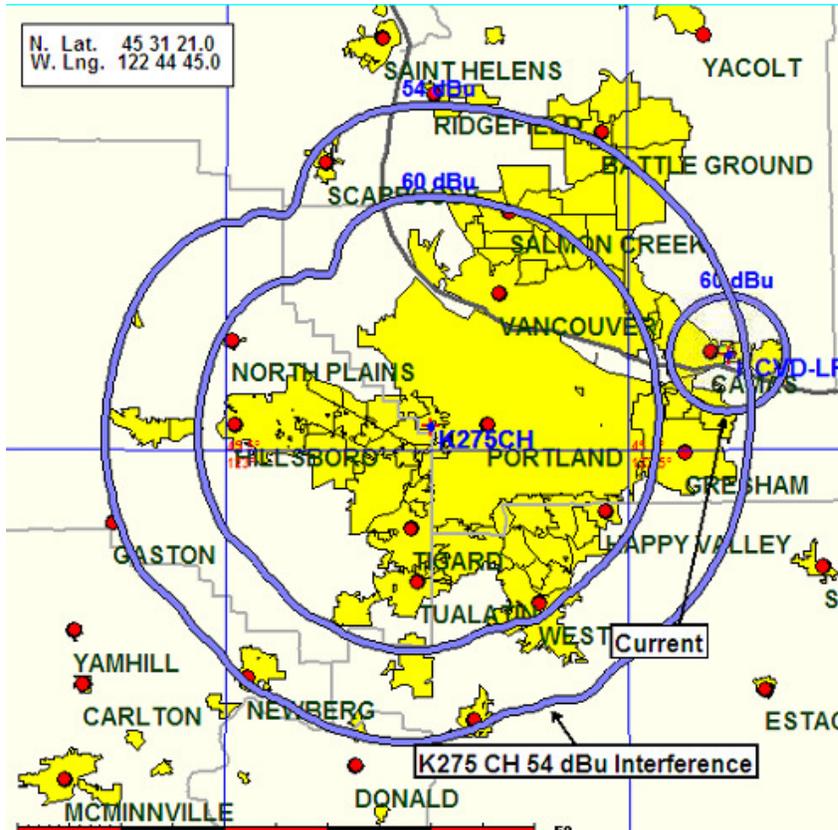
This application proposes the use of Channel 274 for Low Power FM, with the proposed parameters:

Structure Coordinates: 45 39 17.9 N 122 22 32.1 W (NAD 83)
Structure Coordinates: 45 39 18.5 W 122 22 27.8 W (NAD 27)
 GROUND 207 meters
 TOWER 50 meters
 AGL 50 m
 AMSL 257 m
 HAAT 6.2 m
 ERP 100
 CHANNEL 274

WAIVER REQUEST

Total distance from the current site to the proposed site is 7.8 km. Permittee respectfully requests a waiver of the 5.6 km limitation move for good reason:

- (1) Facility currently (CH 273) and proposes (CH 274) to move to a frequency that has first adjacent 60 dBu contour almost kissing it—K275CH. K275CH is a 99 watt translator at 453 M HAAT which gets extended coverage for Portland, OR (an identical situation on CH 273 with K272EL). Facility receives unanticipated incoming interference.



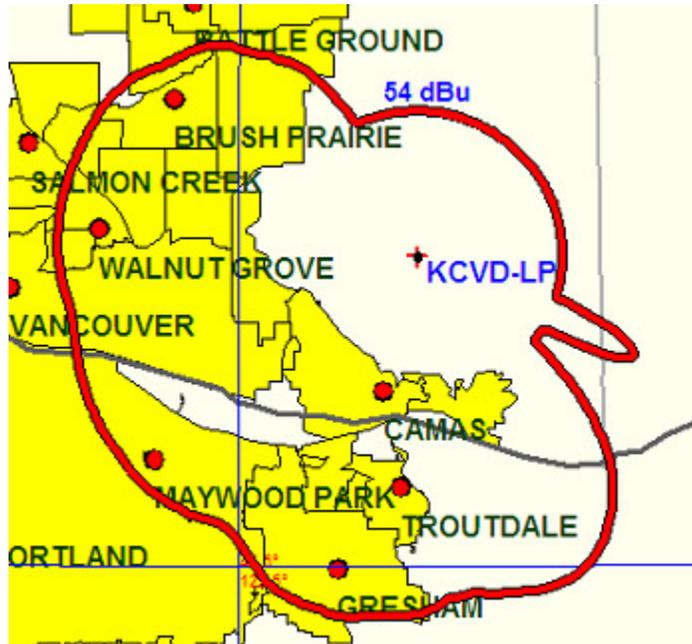
- (2) The permittee has not found a suitable location within 5.6 km to relocate to that would provide a robust enough signal to overcome the interference. A 7.8 km move would provide a signal sustainable for broadcast
- (3) Permittee has been looking for relocation sites since grant. Due to limitations in height, zoning, and local permitting, the found site equates to the best employable option at this point to achieve license to cover by the construction permit deadline.

FAA CLEARANCE

Proposed shall be mounted on an existing tree.

DETERMINATION Results	
Structure does not require registration. The structure meets the 6.10-meter (20-foot) Rule criteria.	
Your Specifications	
NAD83 Coordinates	
Latitude	45-39-17.9 north
Longitude	122-22-32.0 west
Measurements (Meters)	
Overall Structure Height (AGL)	50
Support Structure Height (AGL)	50
Site Elevation (AMSL)	257
Structure Type	
TREE - When used as a support for an antenna	

COVERAGE



Proposed 60 dBu F(50,50) Contour

SPACING

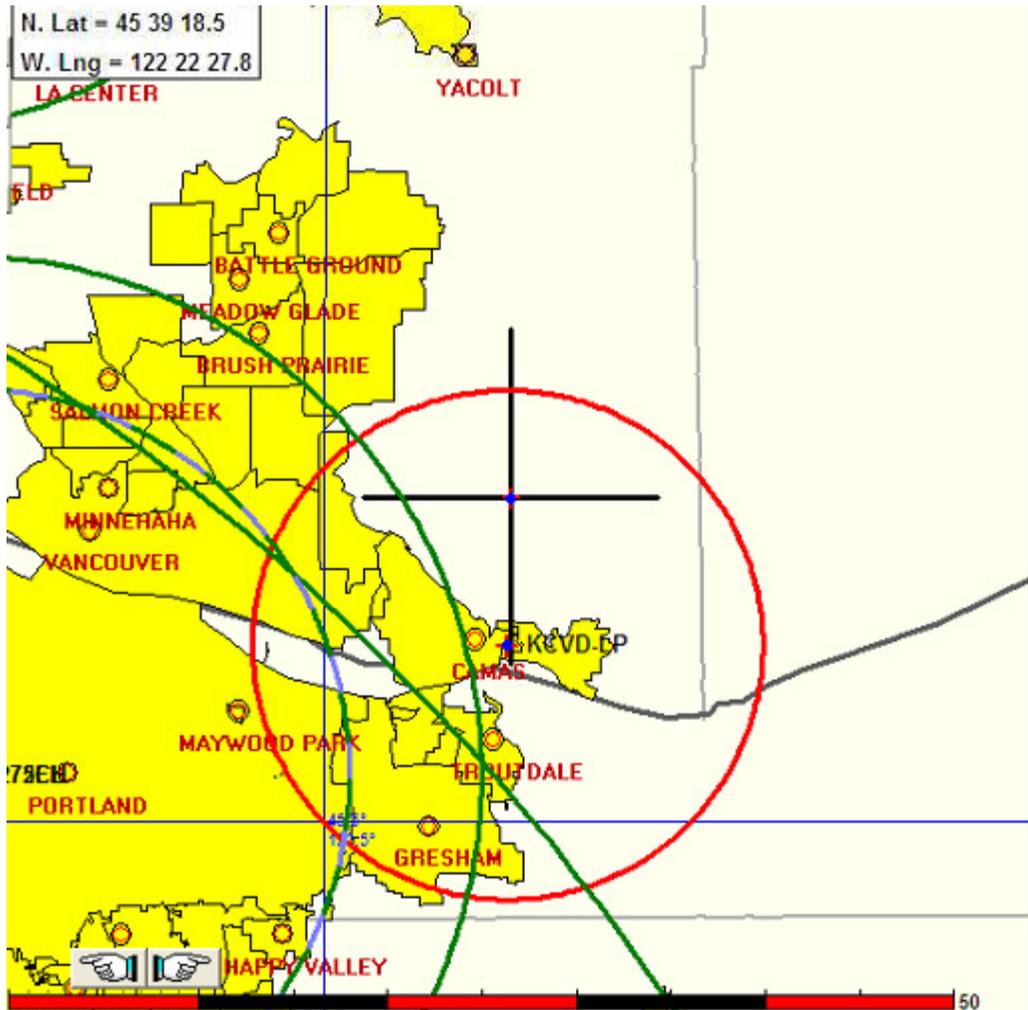
The Way To Salvation Community Church

REFERENCE 45 39 18.5 N. CLASS = L1 Int = L1 DISPLAY DATES
 122 22 27.8 W. Current Spacings to 2nd Adj. DATA 04-18-15
 ----- Channel 274 - 102.7 MHz ----- SEARCH 08-04-15

Call	Channel	Location	Azi	Dist	FCC	Margin
KCVD-LP	LIC 273L1	Camas	WA 180.9	7.85	13.5	-5.7
K275CH	LIC 275D	Gresham	OR 243.1	32.51	27.5	5.0
K275CH	APP 275D	Gresham	OR 243.1	32.51	27.5	5.0
KYTE	CP -N 274C0	Independence	OR 224.2	132.29	121.5	10.8
K272EL	LIC-D 272D	Portland	OR 243.1	32.51	20.5	12.0
K273AI	LIC 273D	Ariel	WA 322.5	50.77	20.5	30.3
K273AJ	LIC 273D	Elwood	OR 173.6	58.60	27.5	31.1
KYNW	LIC 275C	Centralia	WA 338.5	158.08	119.5	38.6

 Reference station has protected zone issue: Canada
 All separation margins include rounding

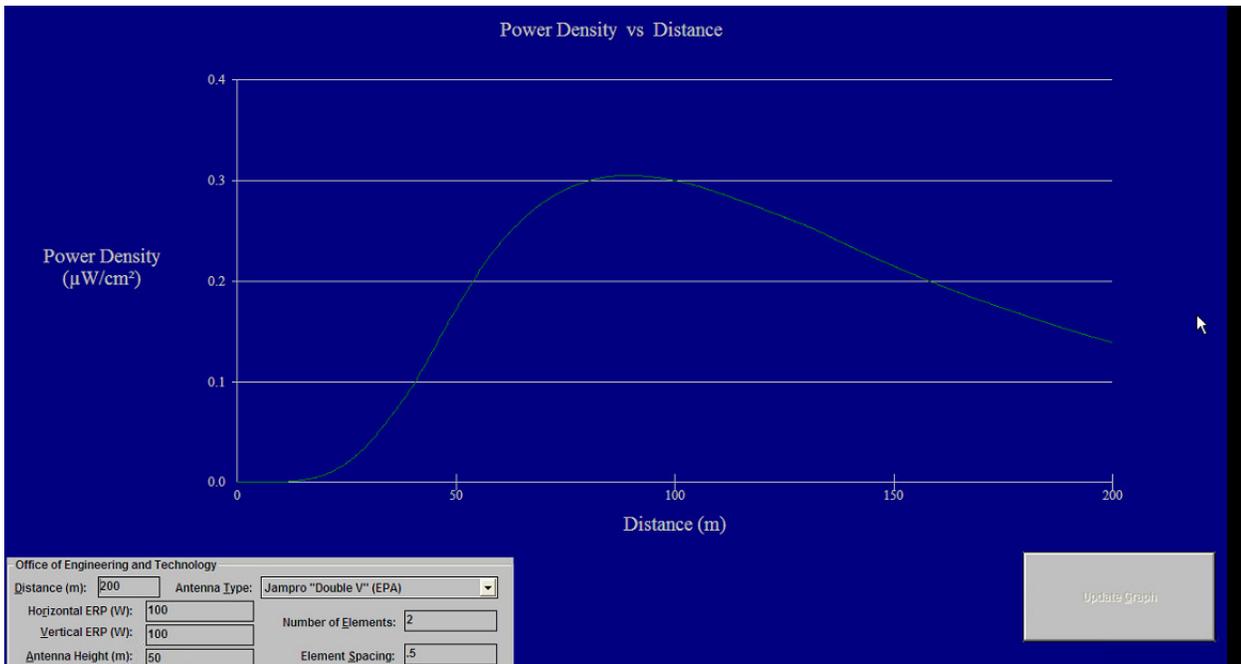
SPACING MAP



NON-IONIZING ELECTROMAGNETIC RADIATION (NEIR) ANALYSIS

The Effective Radiated Power for proposed will be 100 watts, mounted on a tree 50 meters above the ground. The OET program *FM Model* for Windows, Version 2.10 Beta was used to determine the maximum predicted RF exposure. The settings used were:

Antenna: Jampro Douple V
 Vertical ERP (W): 100
 Horizontal ERP (W): 100
 Antenna Height (m): 50
 Number of Elements: 2
 Spacing: .5



Using these settings, the maximum predicted RF exposure for a human standing on the ground would be less than 0.31 at 89.4 m. This represents less than 1% of the FCC Maximum Permissible Exposure (MPE) of 200 $\mu\text{W}/\text{cm}^2$ for uncontrolled environments. 47 CFR 1.1307(b)(3) exempts applicants from preparing an Environmental Assessment when the predicted exposure levels would be less than 5% of the FCC limits.

The tower will be inaccessible by the public and will have a no climbing with a warning sign to potential climbers. Facility is on private property. If work on tower is required facility will be temporarily powered down.