

CONSOLIDATED

ENGINEERING EXHIBIT

FCC Form 349 Long Form - Section III-A - Engineering

ENGINEERING STATEMENT

LONG-FORM APPLICATION FOR A NEW FM TRANSLATOR AT PARKDALE, OR

SUMMARY:

Community Media Assistance Project (CMAP), formerly known as Northwest Community Radio Project¹, hereby submits a 349 Long-Form application for a new translator to serve Parkdale, OR. The original Short-Form submission was BNPFT-20030317MDW. A minor-change in location, is proposed.

This application is located more than 86km from the Portland Oregon market, and more than 68km from the closest point within the Portland Oregon Market Grid. Portland is the closest Appendix-A market. This application is comfortably outside the market, the market grid, and the buffer zones of all Appendix-A markets. It cannot preclude any LPFM protected channel point.

The proposed facility qualifies as a minor-change, in that the Long-Form is mutually exclusive to the Short-Form, as shown by **Exhibit 13a**.

CMAP is a non-profit corporation. This proposal would rebroadcast KQHR, The Dalles, OR, an NCE FM radio station. KQHR would be received through the air. The translator would provide fill-in service for KQHR, in areas where the main signal is shadowed. However, since the ERP will be 10 watts and the primary signal will be received through the air, this proposal fully qualifies for non-fill-in service.

¹This name change has been duly registered with the State of Oregon. The FCC Auctions Desk was notified of the change, by letter, on March 20, 2013. The FRN and CDBS records have been updated. There has been no change in the mission, purpose, or board members of the organization, since its inception in 2003. Only the name has changed. The Short Form was filed under the “old” name.

EXHIBIT 13

FM OVERLAP REQUIREMENTS

INTERFERENCE PROTECTION

This proposal provides full contour protection to all other facilities, without any waivers.

Parkdale Long Form Final											
CMAP											
REFERENCE		CH# 244D - 96.7 MHz, Pwr= 0.001 kW, HAAT= 376.0 M, COR= 797 M							DISPLAY DATES		
45 44 31.0 N.		Average Protected F(50-50)= 5.3 km							DATA 03-27-13		
121 34 43.0 W.		Omni-directional							SEARCH 03-28-13		

CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*OUT*	
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)

244D	641087	APP	C	168.7	16.59	45 35 44.0	0.001	20.8	5.1	-15.8	
Parkdale			OR	348.7	BNPFT20030317MDW	121 32 12.0	-53	529	Northwest Community Radio		
246C	KYCH-FM	LIC	CY	252.4	91.46	45 29 20.0	100.000	11.5	79.6	11.7	
Portland			OR	71.6	BLH19900821KA	122 41 40.0	386	480	Entercom Portland License,		
245D	K245AF	LIC	DH	109.1	40.10	45 37 24.0	0.099	11.7	7.7	19.0	
The Dalles			OR	289.4	BLFT20081104ABM	121 05 33.0	-14	303	Bicoastal Media Licenses I		
242D	K242AX	LIC	DV	95.1	36.15	45 42 43.0	0.099	0.1	7.5	20.9	
The Dalles			OR	275.5	BLFT20120822ACD	121 06 58.0		974	The Kboo Foundation		
241C	KXXO	LIC	CY	325.8	120.67	46 38 07.0	85.000	15.6	98.7	21.9	
Olympia			WA	145.1	BLH19900308KB	122 28 01.0	640	1205	3 Cities, Inc.		
243C1	R14020	ADD		147.5	119.39	44 50 02.0	100.000	111.6	76.0	32.9	
Madras			OR	328.1		120 45 55.0	299	1217	Cumulus Licensing Llc		
243C	KWLZ-FM	LIC	CN	164.8	103.85	44 50 24.0	100.000	89.8	59.9	33.5	
Warm Springs			OR	345.0	BLH19860127KG	121 13 56.0	332	1012	Horizon Broadcasting Group		
242C3	KWLZ-FM	RSV-A		253.5	80.40	45 31 58.0	25.000	4.7	43.8	36.5	
West Linn			OR	72.8		122 33 57.0	100	185	Horizon Broadcasting Group		

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= West Zone, 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)											
Incoming contour overlap is ignored.											
*"affixed to 'IN' or 'OUT' values = site inside protected contour.											

BROWN BROADCAST SERVICES
INCORPORATED

Michael D. Brown

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Portland, Oregon 97219-7418

503-245-6065

Exhibit 13a

Proposed vs Short Form Contours

Brown Broadcast Services, Inc.
Job: 20030317MDW Parkdale LONG FORM FINAL.fmj
Master Database: 2013_Mar_25.fmd
Lat: N45:44:31 Lon: W121:34:43 NAD-27
Scale: 1:200000
Channel: 244 Class: DX

rfInvestigator Version 3.6.5
by rfSoftware, Inc.
Date: 3/28/2013 3:14:21 AM
Key:

City Grade
Protected
Co-Channel
1st Adj
2nd/3rd Adj

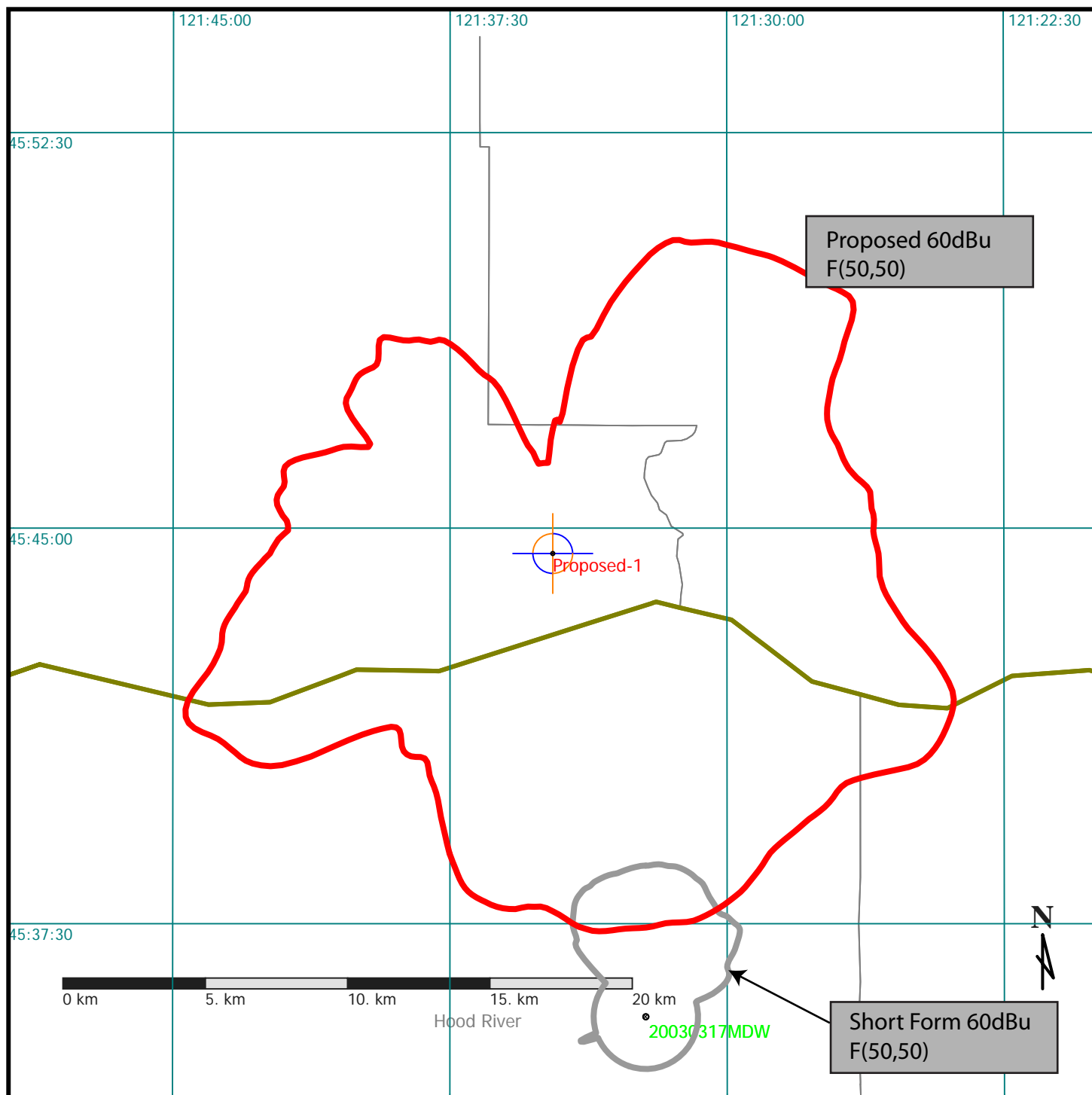


EXHIBIT 17

ENVIRONMENTAL PROTECTION ACT / NIER ANALYSIS

The applicant proposes mounting a new antenna on an existing 41 meter tower. The proposed center of radiation is 16m AGL. A one-bay antenna is proposed. Calculations were made using FM Model for Windows, version 2.10, using the worst-case Phelps Dodge Ring Stub or Dipole (EPA) setting. FM Model predicted a peak exposure of 2.11 w/cm^2 , at 4 meters from the tower. This represents 1.05% of the Maximum Permissible Exposure (MPE) of 200 w/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 site is fenced and locked, preventing unauthorized access. The site will be posted with appropriate RF exposure warning signs. If climbing by authorized personnel becomes necessary, transmitter power will be reduced or operation will cease, as necessary, so as to not exceed the RF exposure limits.