

AMEND BPH-20070119AFH
MINOR CHANGE APPLICATION/
CITY OF LICENSE CHANGE
CUMULUS LICENSING LLC
KNRQ (FM) RADIO STATION
CH 250A - 97.9 MHZ - 0.26 KW
TUALATIN, OREGON
January 2007

EXHIBIT D

City of License Change Review

This application seeks to change the community of license of KNRQ, Channel 250C, Eugene, Oregon to Tualatin, Oregon, using the recently adopted city of license change procedures, as outlined in MB Docket 05-210, released November 29, 2006. This is a review of the proposed change, which demonstrates compliance with the Commission's rules and procedures for a change.

As indicated on Exhibit D1, Channel 250A, at the proposed allocation site at Tualatin, Oregon, meets the Commission's minimum distance separation requirements to all other licensed, applied for, or proposed facilities pursuant to §73.207.¹ The proposed allotment at Tualatin, Oregon is mutually exclusive with the licensed KNRQ facility at Eugene, Oregon.² KNRQ is not the only AM or FM station presently licensed to Eugene, Oregon; therefore, the relocation will not remove the sole service from Eugene. As a result of the proposed change, the

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- 1) The site for the implementation of the change of community is proposed pursuant to §73.215 of the rules; therefore, a fully spaced reference site has been identified. The allocation site is an existing tower, Antenna Structure Registration Number 1056058.
 - 2) The ability to relocate KNRQ is based on the denial of a counterproposal in MB Docket #05-9 and #05-10, which sought, among other things, the allotment of Channel 250C2 at Tualatin.

community of Tualatin will receive its first locally licensed/operational station, without depriving Eugene of its only local service.

Exhibit D2 is the theoretical map of a 70 dBu contour (non-terrain impacted) from the proposed allocation site showing the allotment site does provide a 70 dBu contour (non-terrain impacted) over all of the proposed new community of license. The proposed site allocation site is an existing tower and, therefore, is suitable for the proposed allotment of Channel 250A to Tualatin, Oregon.

Tualatin, Oregon

Present	Proposed
None	250A

Eugene, Oregon

Present	Proposed
233C1,241C, 250C, 256C	233C1,241C, 256C ³

The proposed allocation site for Channel 250A at Tualatin, Oregon is removed from the present KNRQ site and is being relocated in order to implement service to Tualatin, Oregon. Since there is no area in common, there will be an area of signal loss and signal gain as a result of the move. The existing Channel 250C facility at Eugene, Oregon provides a 60 dBu contour

3) In addition, there are non-commercial FM and commercial AM stations licensed and operating in Eugene.

to 490,938 persons in 16,741.5 square kilometers. The allotment site for Channel 250A at Tualatin, Oregon will provide a 60 dBu contour to 936,511 persons in 2,516.1 square kilometers. The resultant move will create a loss of service to 490,937 persons in 16,741.5 square kilometers and a gain of service to 936,511 persons. The area of gain and loss is shown on Exhibits D3 and D4.

Exhibit D3 (loss area) and D4 (gain area) also depict the protected service contours of five existing full time services providing service to the entire gain and loss area (60 dBu for FM stations and 0.5 mV/m nighttime contours for the Class A AM stations).⁴ A list of the stations in the loss area is attached as Exhibit D3(1). A list of the stations providing service to the gain area is attached as Exhibit D4(1). As a result, the gain and loss areas are served by a minimum of five full time services and are, therefore, considered well served.⁵

Tualatin, Oregon, is located in the Portland, Oregon Urbanized Area, as designated by the United States Census.⁶ Since the proposed new community of license is located within the

4) To determine services, all AM stations and commercial and non-commercial FM stations in the area were reviewed. For AM Class A stations, the nighttime 0.5 mV/m contour was used for a service contours; all other AM stations' nighttime interference free signals were calculated and used for service contributions. For FM commercial stations, maximum facilities were used for each Class, except Class A facilities. Some Class A stations were considered 3.0 kilowatt Class A stations, while others were depicted as 6.0 kilowatt Class A stations, based on their operating facilities, or spacing review. Class C stations were projected based on licensed facilities, as built, no terrain. Any non-commercial FM station's 60 dBu reference contour was determined from its licensed facility, based on the reference distance which was determined by power and HAAT of the facility. The FM contours assumed uniform terrain.

5) There is a small area in which KNRQ's licensed facility provides a fifth full time service. However, this strip of coverage is only 1.0 kilometer wide and approximately 40.0 kilometers long. A review of the area indicated that there is no population. As such, it was not considered a service due to the lack of population. There are additional services, but they were not considered, since five were already identified.

6) The present KNRQ facility provides service to the Eugene, Oregon Urbanized area.

Urbanized Area, a Tuck analysis showing independence of Tualatin from Portland is included elsewhere in this submission to the Commission.

Attached as Exhibit D5 is a coverage map at the proposed KNRQ facility from the applied for site. The map shows the facility will deliver a 60 dBu coverage to 1,609,552 persons in 2,526.3 square kilometers and a 70 dBu contour to 915,189 persons in 796.3 square kilometers. Attached as Exhibit D6 are the stations which provide protected service to Tualatin, Oregon.

Based on the foregoing, the proposed change of community of license complies with the Commission's technical rules and regulations.

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EXHIBIT D1

Clearance Study for KNRQ Tualatin, Oregon
Using Proposed Allocation Site as Reference

REFERENCE	CLASS = A Int = B1	DISPLAY DATES
45 19 57.0 N.	Current Spacings	DATA 01-26-07
122 53 08.0 W.	Channel 250 - 97.9 MHz	SEARCH 01-26-07

Call	Channel	Location	Azt	Azt Power	Dist HAAT	FCC	Margin
Lat.	Lng.						
KNRQ-FM	RSV 250A	Tualatin	OR	0.0	0.00	115.0	-115.00
	45 19 57.0	122 53 08.0		25.000 kW	100 M		
	Cumulus Licensing LLC						
KNRQ-FM	APP-N 250A	Tualatin	OR	15.1	21.87	115.0	-93.13
	45 31 21.0	122 48 45.0	NCX	0.260 kW	470 M		
	Cumulus Licensing LLC BPH-20070119AFH						
KNRQ-FM	LIC 250C	Eugene	OR	187.0	148.93	226.0	-77.07
	44 00 08.0	123 06 50.0	EN	100.000 kW	308 M		
	Cumulus Licensing LLC BLH-19910528KF						
KACI-FM	APP-Z 249C2	The Dalles	OR	85.0	111.42	106.0	5.42
	45 24 36.0	121 28 03.0	ZCX	9.600 kW	328 M		
	Columbia Gorge Broadcaster BPH-20070118AEL						
RADD	ADD 252C3	Monmouth	OR	198.2	52.29	42.0	10.29
	44 53 08.0	123 05 36.0		25.000 kW	100 M		
	Radio Beam, LLC						
RADD	ADD 252C3	Monmouth	OR	198.2	52.29	42.0	10.29
	44 53 08.0	123 05 36.0		25.000 kW	100 M		
	Radio Beam, LLC						
VA2391	VAC 252C3	Dallas	OR	216.4	57.17	42.0	15.17
	44 55 06.0	123 19 00.0	N	25.000 kW	100 M		
RDEL	DEL 252C3	Dallas	OR	216.4	57.17	42.0	15.17
	44 55 06.0	123 19 00.0		25.000 kW	100 M		
	Radio Beam, LLC						
RDEL	DEL 252C3	Dallas	OR	216.4	57.17	42.0	15.17
	44 55 06.0	123 19 00.0		25.000 kW	100 M		
	Radio Beam, LLC						
KACI-FM	LIC 249C2	The Dalles	OR	73.8	130.92	106.0	24.92
	45 38 56.0	121 16 20.0	CX	5.100 kW	272 M		
	Columbia Gorge Broadcaster BMLH-20040610AAJ						

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Reference

Latitude: 45-19-57 N
Longitude: 122-53-08 W
ERP: 6.00 kW
Channel: 250A
Frequency: 97.9 MHz

45-30-00 N

123-10-00 W

122-00-00 W

122-00-00 W

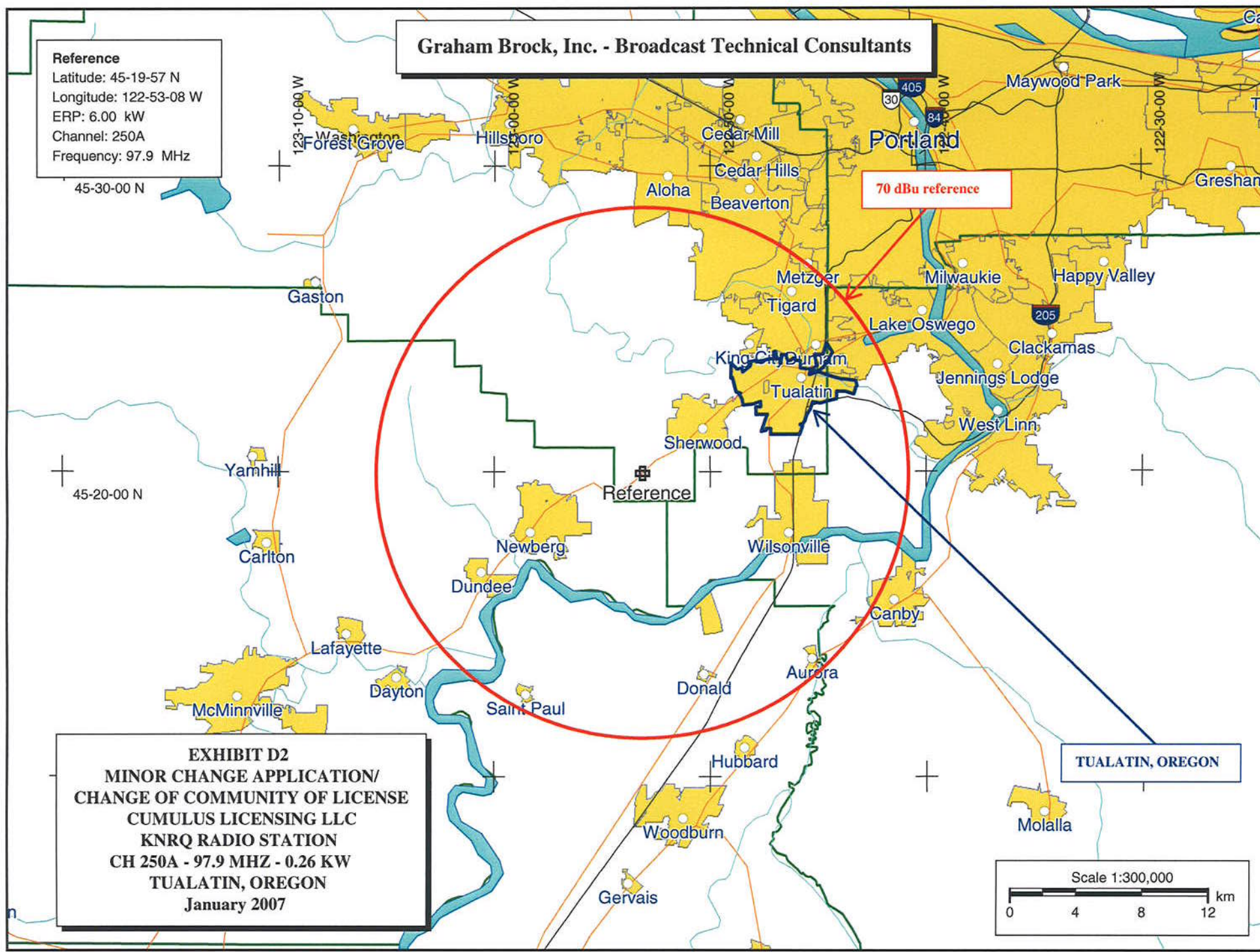
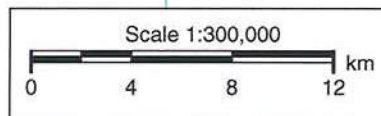
122-00-00 W

122-30-00 W

45-20-00 N

TUALATIN, OREGON

EXHIBIT D2
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January 2007

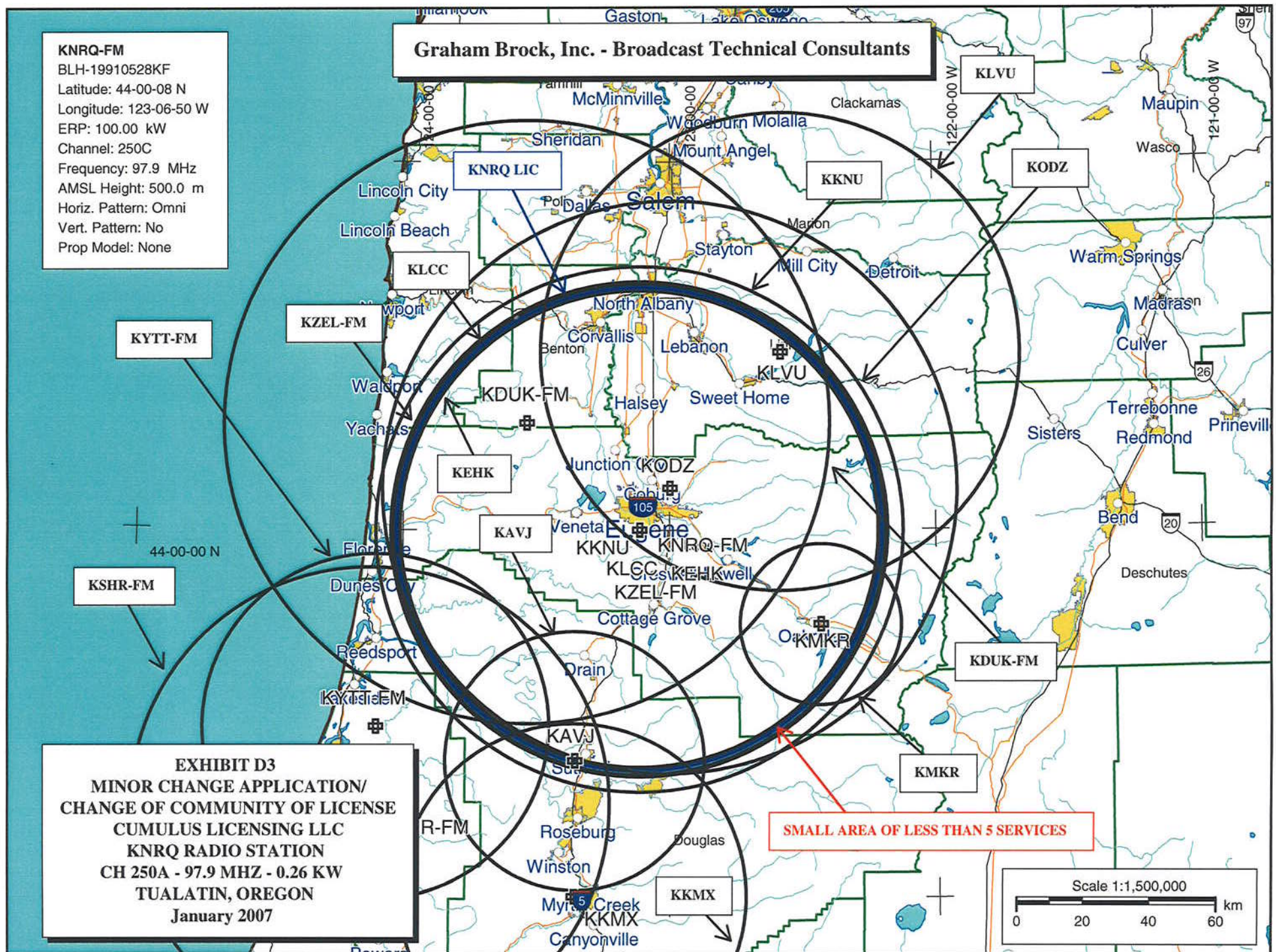
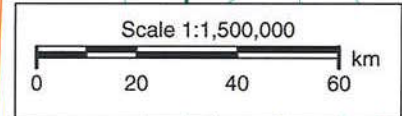


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KNRQ-FM
 BLH-19910528KF
 Latitude: 44-00-08 N
 Longitude: 123-06-50 W
 ERP: 100.00 kW
 Channel: 250C
 Frequency: 97.9 MHz
 AMSL Height: 500.0 m
 Horiz. Pattern: Omni
 Vert. Pattern: No
 Prop Model: None

EXHIBIT D3
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SMALL AREA OF LESS THAN 5 SERVICES



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EXHIBIT D3(1)

Tabulation of Stations
Providing Service to Loss Area

LOSS AREA STATIONS

Call	Freq/Ch	Class	Contour	City	State
KZEL	Ch 241	C	60 dBu	Eugene	Oregon
KLCC	Ch 209	C0	60 dBu	Eugene	Oregon
KKNU	Ch 227	C0	60 dBu	Spngfd-Eug	Oregon
KODZ	Ch 256	C	60 dBu	Eugene	Oregon
KYTT-FM	Ch 245	C2	60 dBu	Coos Bay	Oregon
KAVJ	Ch 266	C3	60 dBu	Sutherlin	Oregon
KDUK-FM	Ch 284	C	60 dBu	Florence	Oregon
KEHK	Ch 272	C1	60 dBu	Eugene	Oregon
KSHR-FM	Ch 274	C1	60 dBu	Coquille	Oregon
KKMX	Ch 282	C2	60 dBu	Tri City	Oregon
KMKR	Ch 221	A	60 dBu	Oakridge	Oregon
KLVU	Ch 296	C1	60 dBu	Sweethome	Oregon

Tualatin Reference
Latitude: 45-19-57 N
Longitude: 122-53-08 W
ERP: 6.00 kW
Channel: 250A
Frequency: 97.9 MHz
AMSL Height: 191.13 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

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KYCH-FM/KGON/KXJM

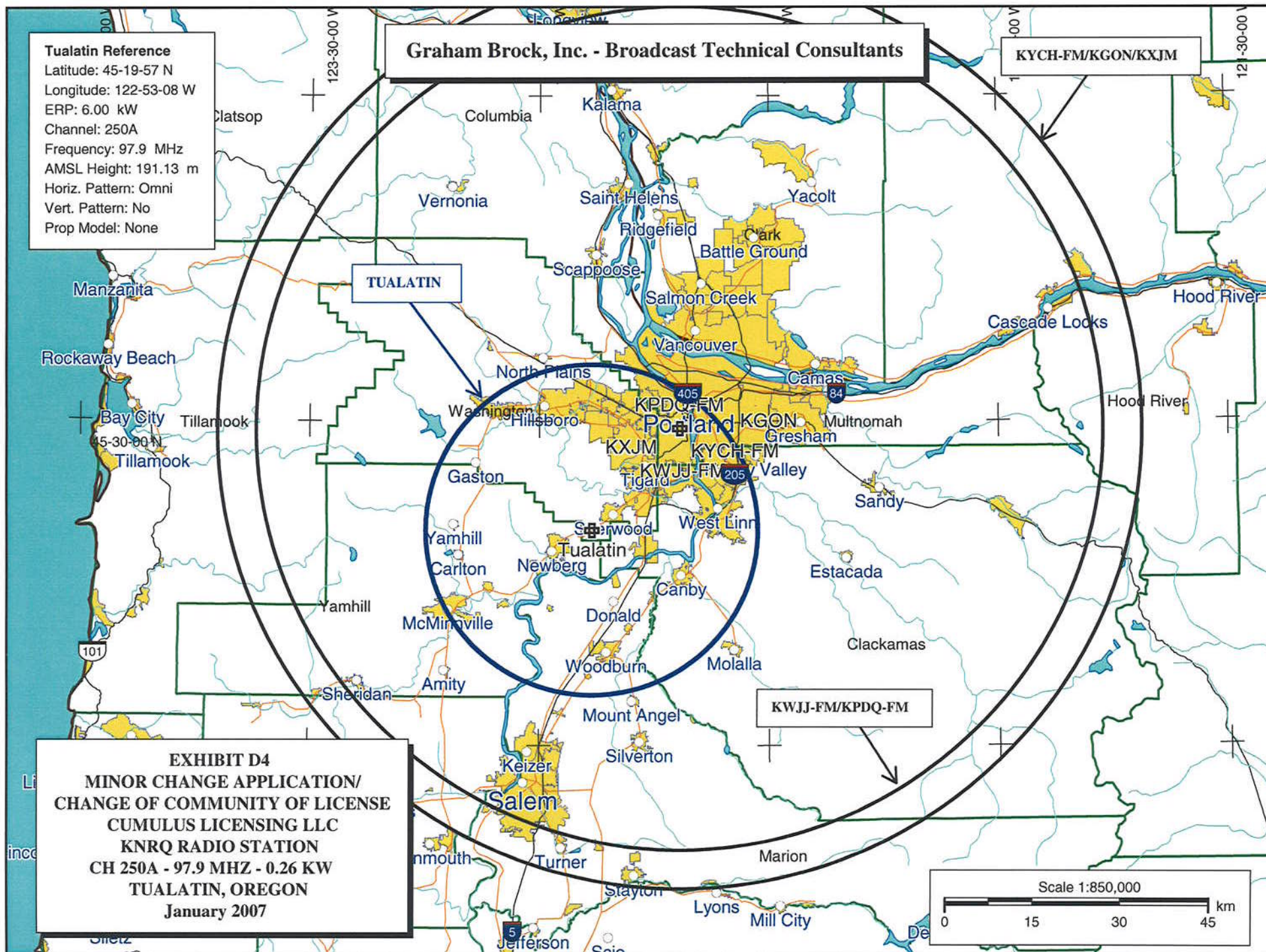


EXHIBIT D4
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January 2007

EXHIBIT D4(1)

Tabulation of Stations
Providing Service to the Gain Area

GAIN AREA STATIONS

Call	Freq/Ch	Class	Contour	City	State
KYCH-FM	Ch 246	C	60 dBu	Portland	Oregon
KWJJ-FM	Ch 258	C1	60 dBu	Portland	Oregon
KGON	Ch 222	C	60 dBu	Portland	Oregon
KXJM	Ch 238	C	60 dBu	Portland	Oregon
KPDQ-FM	Ch 230	C1	60 dBu	Portland	Oregon

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KNRQ Proposed

Latitude: 45-31-21 N
Longitude: 122-44-45 W
ERP: 0.26 kW
Channel: 250A
Frequency: 97.9 MHz
AMSL Height: 560.96 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model : FCC
60 dBu pop. : 1,609,552 (2000)
60 dBu area : 2,526.3 sq. km.
70 dBu pop. : 915,189 (2000)
70 dBu area : 796.3 sq. km.

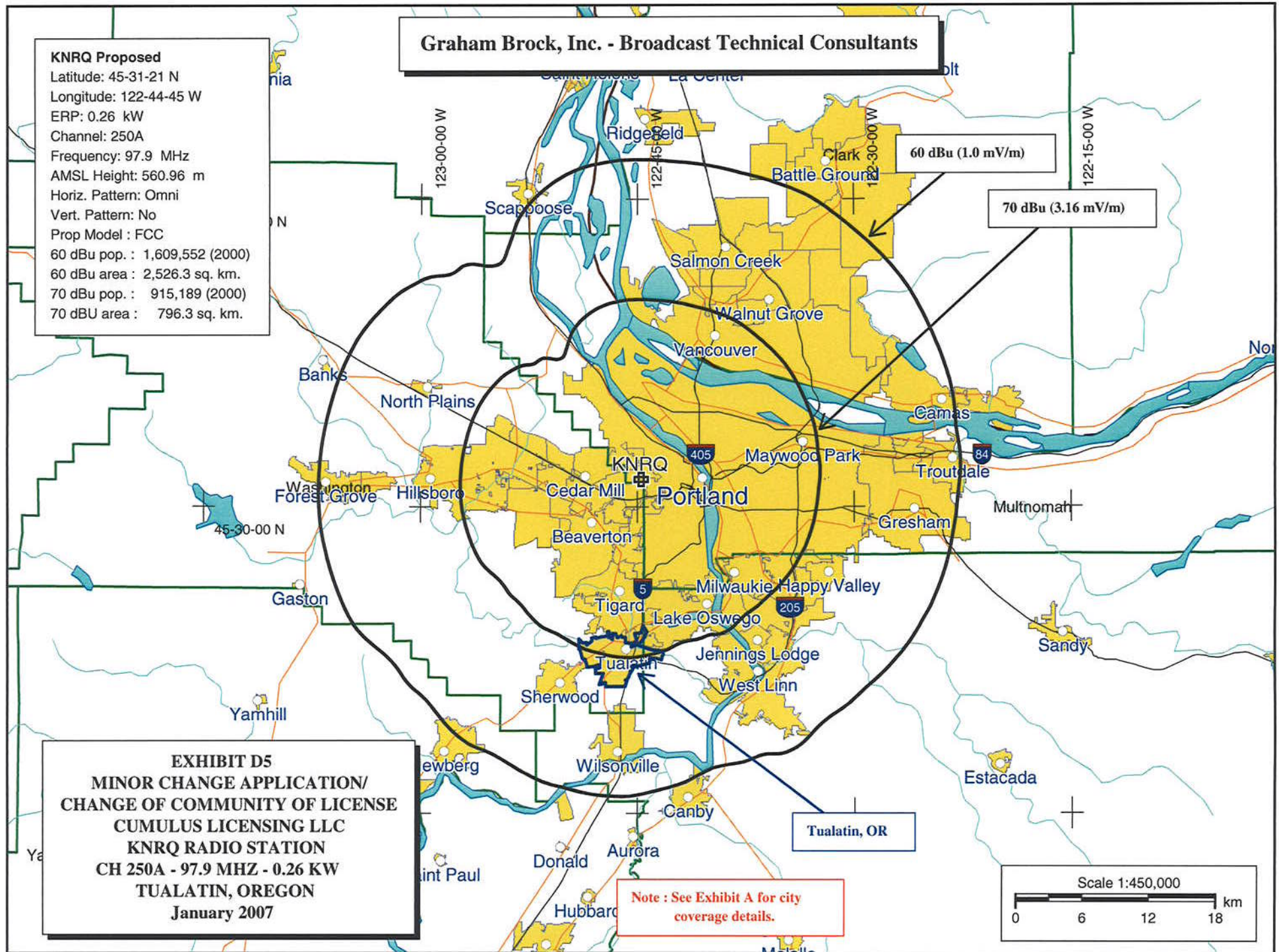
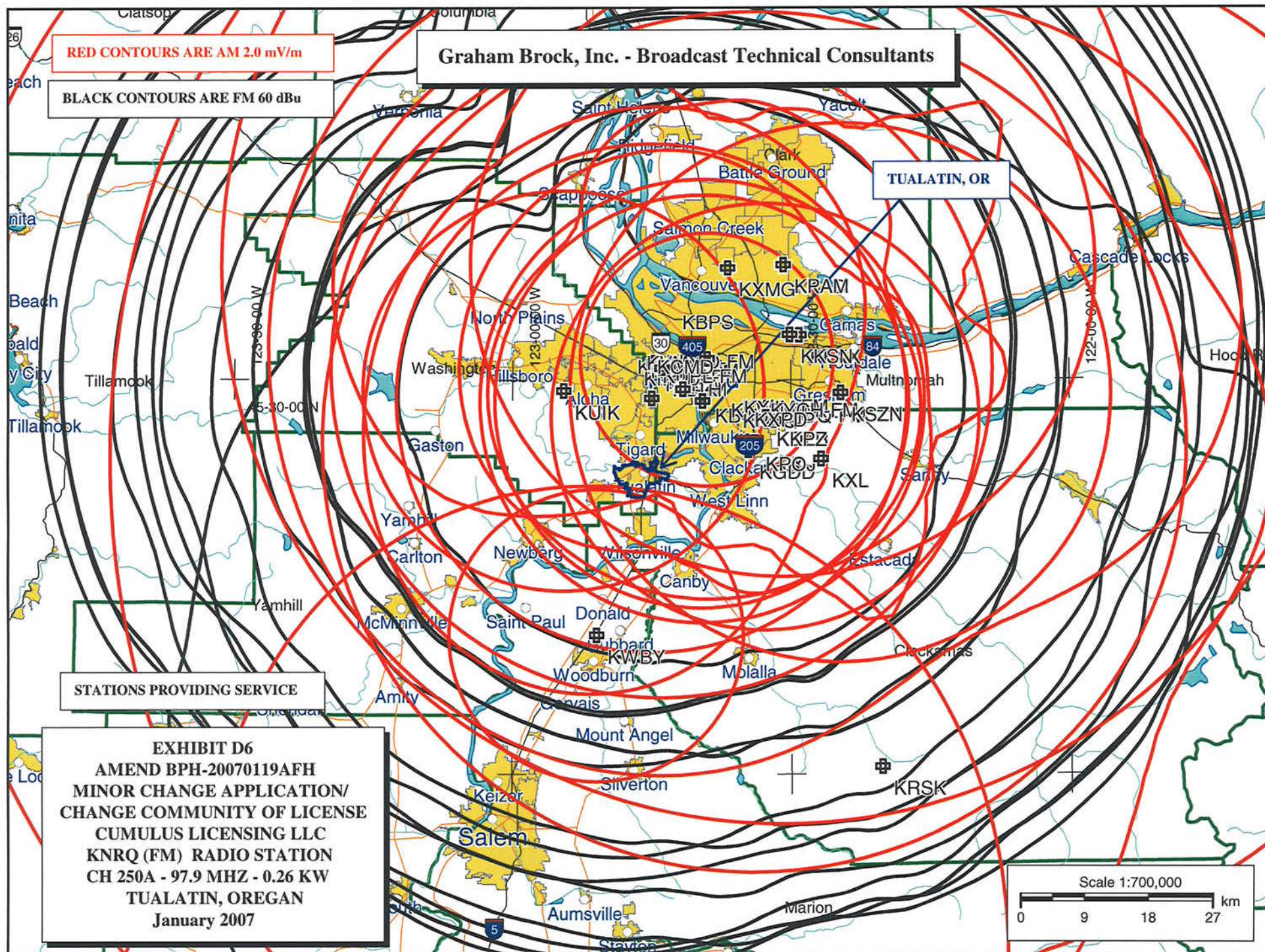


EXHIBIT D5
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KNRQ RADIO STATION
CH 250A - 97.9 MHZ - 0.26 KW
TUALATIN, OREGON
January 2007



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CITY OF LICENSE CHANGE
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EXHIBIT D6(1)

Stations Providing Protected Service to Tualatin, Oregon

AM Stations

<u>Call</u>	<u>Frequency</u>	<u>City</u>	<u>State</u>
KBNP	1410 kHz	Portland	Oregon
KBPS	1450 kHz	Portland	Oregon
KCMD	970 kHz	Portland	Oregon
KDZR	1640 kHz	Lake Oswego	Oregon
KEX	1190 kHz	Portland	Oregon
KFXX	1080 kHz	Portland	Oregon
KGDD	1520 kHz	Oregon City	Oregon
KKAD	1550 kHz	Vancouver	Washington
KKPZ	1330 kHz	Portland	Oregon
KKSN	910 kHz	Vancouver	Washington
KOAC	550 kHz	Corvallis	Oregon
KPAM	860 kHz	Troutdale	Oregon
KPDQ	800 kHz	Portland	Oregon
KPOJ	620 kHz	Portland	Oregon
KSZN	1010 kHz	Milwaukie	Oregon
KUIK	1360 kHz	Hillsboro	Oregon
KWBY	940 kHz	Woodburn	Oregon
KXL	750 kHz	Portland	Oregon
KXMG	1150 kHz	Portland	Oregon
KXPD	1040 kHz	Tigard	Oregon

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EXHIBIT D6(1) (continued)

Stations Providing Protected Service to Tualatin, Oregon

FM Stations

<u>Call</u>	<u>Channel</u>	<u>City</u>	<u>State</u>
KBOO	214C1	Portland	Oregon
KBPS	210C2	Portland	Oregon
KBVM	202C2	Portland	Oregon
KFIS	281C2	Sacppoose	Oregon
KGON	222C	Portland	Oregon
KHPE	300C	Albany	Oregon
KIJZ	290C1	Vancouver	Washington
KINK	270C0	Portland	Oregon
KKCW	277C	Beaverton	Oregon
KKRZ	262C	Portland	Oregon
KLTH	294C	Lake Oswego	Oregon
KMHD	206C1	Gresham	Oregon
KNRK	234C2	Camas	Washington
KOPB-FM	218C0	Portland	Oregon
KPDQ-FM	230C1	Portland	Oregon
KRSK	286C	Salem	Oregon
KTRO-FM	226C3	Gladstone	Oregon
KUFO-FM	266C	Portland	Oregon
KUPL-FM	254C1	Portland	Oregon
KVMX	298C1	Banks	Oregon
KWJJ-FM	258C1	Portland	Oregon
KXJM	238C	Portland	Oregon
KYCH-FM	246C	Portland	Oregon