

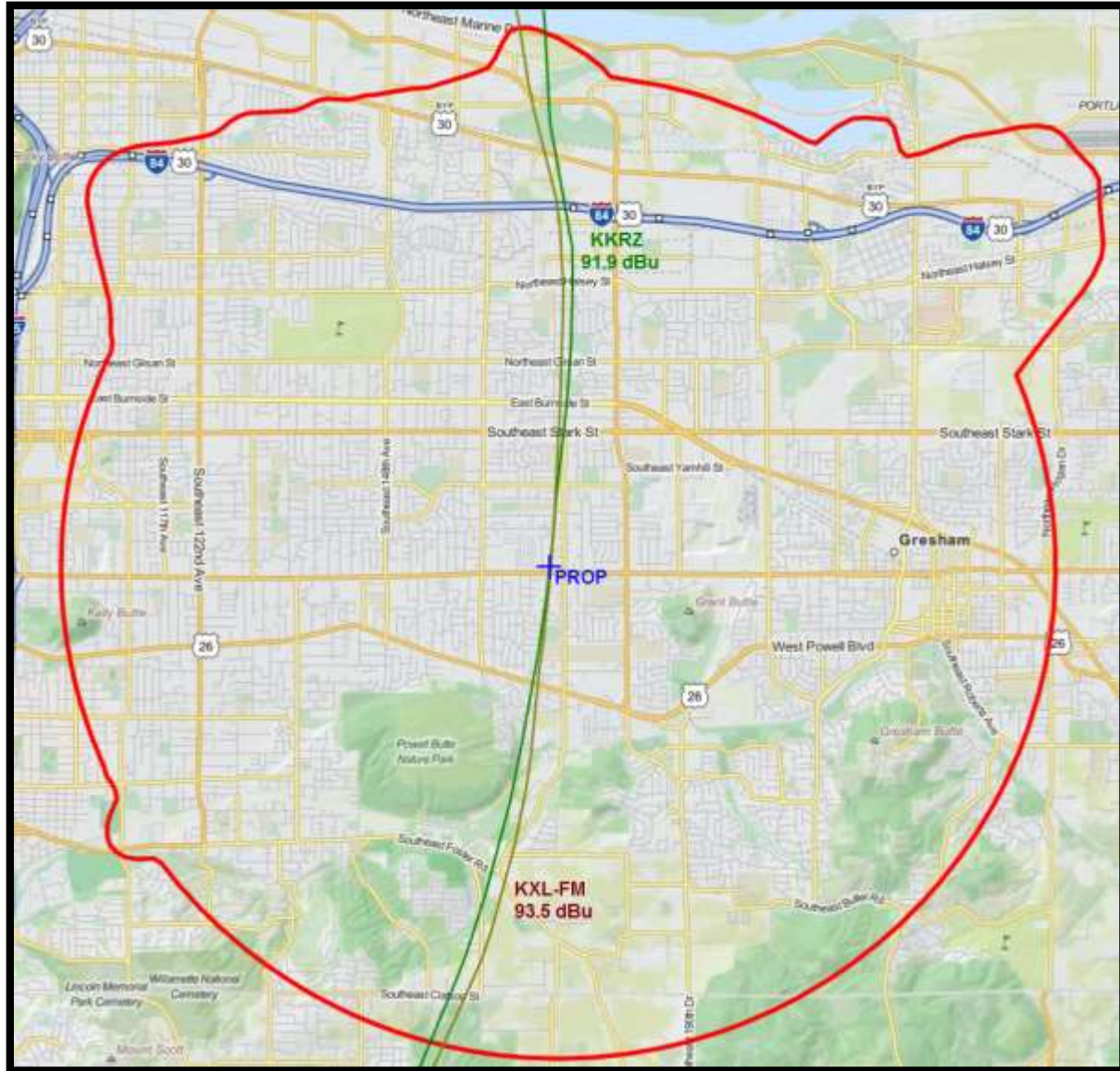


REC Broadcast Services, LLC
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CP Modify for KBSF-LP and KRJJ-LP
PORTLAND, OR

PORTLAND CH. 264L1 TIMESHARE GROUP
BNPL-20131114BHV & BNPL-20131108AEW

PROPOSED 60dBu F(50,50) SERVICE CONTOUR



PORTLAND, OR – Channel 264L1 (100.7 MHz) ~ ERP 0.100 kW
Elev: 79 meters ~ RCAGL: 24 meters ~ RCAMSL: 103 meters ~ HAAT: 8m
Overall tower height: 25 meters – ASR: None required (runway over 20,000 feet away)
NAD83 Latitude: 45° 30' 18.5" NL – Longitude: 122° 29' 08.0" WL
NAD27 Latitude: 45° 30' 19.1" NL – Longitude: 122° 29' 03.7" WL
No AM stations within 3 km of proposed site.

R E C NETWORKS
CHANNEL REPORT

NAD27 LATITUDE: 45 - 30' 19.1" - LONGITUDE: 122 - 29' 03.7"
CHANNEL: 264 - CLASS: LPFM(LP-100)

| CHAN | FREQ | CALL | LOCATION | CLS | DIST | REQ | CLEAR | BEAR |
|------|-------|---|------------|-------|-------|-------|-------|-------|
| 210 | 89.9 | KQAC | PORTLAND | OR C1 | 19.5 | 0.0 | 19.5 | 273.5 |
| | | : ALL CLASSICAL PUBLIC MEDIA, INC. | | | | | | |
| 262 | 100.3 | KKRZ | PORTLAND | OR C | 20.5 | 93.0 | -72.5 | 275.4 |
| | | : CITICASTERS LICENSES, INC. | | | | | | |
| 264 | 100.7 | KMGX | BEND | OR C1 | 183.0 | 111.0 | 72.0 | 149.8 |
| | | : GCC BEND, LLC | | | | | | |
| 264 | 100.7 | KPPT-FM | DEPOE BAY | OR C2 | 148.7 | 91.0 | 57.7 | 236.3 |
| | | : AGPAL BROADCASTING INC. | | | | | | |
| 264 | 100.7 | KKWF | SEATTLE | WA C | 225.6 | 130.0 | 95.6 | 9.7 |
| | | : ENTERCOM LICENSE, LLC | | | | | | |
| 264 | 100.7 | KQRZ-LP | HILLSBORO | OR L1 | 30.5 | 24.0 | 6.5 | 260.1 |
| | | : OREGON AMATEUR RADIO CLUB | | | | | | |
| 264 | 100.7 | KRJJ-LP | PORTLAND | OR L1 | 1.3 | 24.0 | -22.7 | 79.8 |
| | | : JEHOVAH JIREH INTERNATIONAL MISSION | | | | | | |
| | | : Currently authorized facility in time share group | | | | | | |
| 264 | 100.7 | KBSF-LP | PORTLAND | OR L1 | 1.3 | 24.0 | -22.7 | 79.8 |
| | | : SLAVIC COMMUNITY CENTER OF NW, INC | | | | | | |
| | | : Currently authorized facility in time share group | | | | | | |
| 266 | 101.1 | KXL-FM | PORTLAND | OR C | 19.5 | 93.0 | -73.5 | 273.5 |
| | | : ALPHA MEDIA LICENSEE LLC | | | | | | |
| 267 | 101.3 | KLWA | WESTPORT | WA A | 193.4 | 0.0 | 193.4 | 323.0 |
| | | : EDUCATIONAL MEDIA FOUNDATION | | | | | | |
| 267 | 101.3 | KURT | PRINEVILLE | OR C1 | 209.3 | 0.0 | 209.3 | 125.6 |
| | | : RUBIN BROADCASTING, INC. | | | | | | |

| Azimuth | Field | ERP | HAAT | Contour | Latitude | Longitude |
|----------------|--------------|------------|-------------|----------------|-----------------|------------------|
| 0 | 1.000 | 0.100 | 35.2 | 6.058 | 45.5596 | 122.4856 |
| 5 | 1.000 | 0.100 | 31.3 | 5.744 | 45.5566 | 122.4791 |
| 10 | 1.000 | 0.100 | 25.7 | 5.636 | 45.5551 | 122.4730 |
| 15 | 1.000 | 0.100 | 16.9 | 5.636 | 45.5541 | 122.4668 |
| 20 | 1.000 | 0.100 | 2.8 | 5.636 | 45.5528 | 122.4608 |
| 25 | 1.000 | 0.100 | 7.0 | 5.636 | 45.5511 | 122.4550 |
| 30 | 1.000 | 0.100 | 26.7 | 5.636 | 45.5490 | 122.4494 |
| 35 | 1.000 | 0.100 | 37.8 | 6.273 | 45.5513 | 122.4393 |
| 40 | 1.000 | 0.100 | 36.2 | 6.142 | 45.5474 | 122.4349 |
| 45 | 1.000 | 0.100 | 47.6 | 7.056 | 45.5500 | 122.4215 |
| 50 | 1.000 | 0.100 | 54.1 | 7.559 | 45.5488 | 122.4112 |
| 55 | 1.000 | 0.100 | 53.2 | 7.488 | 45.5437 | 122.4068 |
| 60 | 1.000 | 0.100 | 48.2 | 7.105 | 45.5371 | 122.4066 |
| 65 | 1.000 | 0.100 | 34.5 | 5.999 | 45.5279 | 122.4158 |
| 70 | 1.000 | 0.100 | 22.8 | 5.636 | 45.5225 | 122.4176 |
| 75 | 1.000 | 0.100 | -4.5 | 5.636 | 45.5182 | 122.4157 |
| 80 | 1.000 | 0.100 | -15.7 | 5.636 | 45.5139 | 122.4143 |
| 85 | 1.000 | 0.100 | -4.8 | 5.636 | 45.5095 | 122.4135 |
| 90 | 1.000 | 0.100 | -2.4 | 5.636 | 45.5051 | 122.4132 |
| 95 | 1.000 | 0.100 | -8.0 | 5.636 | 45.5007 | 122.4135 |
| 100 | 1.000 | 0.100 | -35.4 | 5.636 | 45.4963 | 122.4143 |
| 105 | 1.000 | 0.100 | -41.3 | 5.636 | 45.4920 | 122.4157 |
| 110 | 1.000 | 0.100 | -51.6 | 5.636 | 45.4878 | 122.4176 |
| 115 | 1.000 | 0.100 | -52.8 | 5.636 | 45.4837 | 122.4200 |
| 120 | 1.000 | 0.100 | -57.6 | 5.636 | 45.4798 | 122.4229 |
| 125 | 1.000 | 0.100 | -70.1 | 5.636 | 45.4760 | 122.4263 |
| 130 | 1.000 | 0.100 | -81.8 | 5.636 | 45.4725 | 122.4302 |
| 135 | 1.000 | 0.100 | -88.0 | 5.636 | 45.4693 | 122.4344 |
| 140 | 1.000 | 0.100 | -88.5 | 5.636 | 45.4663 | 122.4391 |
| 145 | 1.000 | 0.100 | -68.7 | 5.636 | 45.4636 | 122.4441 |
| 150 | 1.000 | 0.100 | -60.0 | 5.636 | 45.4612 | 122.4494 |
| 155 | 1.000 | 0.100 | -56.0 | 5.636 | 45.4592 | 122.4550 |
| 160 | 1.000 | 0.100 | -48.5 | 5.636 | 45.4575 | 122.4608 |
| 165 | 1.000 | 0.100 | -40.2 | 5.636 | 45.4562 | 122.4669 |
| 170 | 1.000 | 0.100 | -21.0 | 5.636 | 45.4552 | 122.4730 |
| 175 | 1.000 | 0.100 | -7.8 | 5.636 | 45.4546 | 122.4793 |

| Azimuth | Field | ERP | HAAT | Contour | Latitude | Longitude |
|----------------|--------------|------------|-------------|----------------|-----------------|------------------|
| 180 | 1.000 | 0.100 | -0.4 | 5.636 | 45.4544 | 122.4856 |
| 185 | 1.000 | 0.100 | -15.1 | 5.636 | 45.4546 | 122.4919 |
| 190 | 1.000 | 0.100 | -30.0 | 5.636 | 45.4552 | 122.4981 |
| 195 | 1.000 | 0.100 | -21.6 | 5.636 | 45.4562 | 122.5043 |
| 200 | 1.000 | 0.100 | -19.1 | 5.636 | 45.4575 | 122.5103 |
| 205 | 1.000 | 0.100 | -13.6 | 5.636 | 45.4592 | 122.5161 |
| 210 | 1.000 | 0.100 | -15.9 | 5.636 | 45.4612 | 122.5217 |
| 215 | 1.000 | 0.100 | -15.3 | 5.636 | 45.4636 | 122.5270 |
| 220 | 1.000 | 0.100 | -13.3 | 5.636 | 45.4663 | 122.5320 |
| 225 | 1.000 | 0.100 | -3.5 | 5.636 | 45.4693 | 122.5367 |
| 230 | 1.000 | 0.100 | 17.2 | 5.636 | 45.4725 | 122.5409 |
| 235 | 1.000 | 0.100 | 32.4 | 5.833 | 45.4750 | 122.5468 |
| 240 | 1.000 | 0.100 | 33.3 | 5.905 | 45.4786 | 122.5511 |
| 245 | 1.000 | 0.100 | 30.2 | 5.653 | 45.4836 | 122.5513 |
| 250 | 1.000 | 0.100 | 29.8 | 5.636 | 45.4878 | 122.5535 |
| 255 | 1.000 | 0.100 | 28.1 | 5.636 | 45.4920 | 122.5554 |
| 260 | 1.000 | 0.100 | 21.0 | 5.636 | 45.4963 | 122.5568 |
| 265 | 1.000 | 0.100 | 17.7 | 5.636 | 45.5007 | 122.5576 |
| 270 | 1.000 | 0.100 | 19.7 | 5.636 | 45.5051 | 122.5579 |
| 275 | 1.000 | 0.100 | 23.5 | 5.636 | 45.5095 | 122.5576 |
| 280 | 1.000 | 0.100 | 24.3 | 5.636 | 45.5139 | 122.5568 |
| 285 | 1.000 | 0.100 | 26.5 | 5.636 | 45.5182 | 122.5554 |
| 290 | 1.000 | 0.100 | 26.8 | 5.636 | 45.5225 | 122.5535 |
| 295 | 1.000 | 0.100 | 28.7 | 5.636 | 45.5265 | 122.5511 |
| 300 | 1.000 | 0.100 | 32.7 | 5.857 | 45.5315 | 122.5507 |
| 305 | 1.000 | 0.100 | 39.3 | 6.393 | 45.5381 | 122.5528 |
| 310 | 1.000 | 0.100 | 45.7 | 6.907 | 45.5450 | 122.5535 |
| 315 | 1.000 | 0.100 | 44.4 | 6.805 | 45.5484 | 122.5473 |
| 320 | 1.000 | 0.100 | 39.6 | 6.416 | 45.5493 | 122.5385 |
| 325 | 1.000 | 0.100 | 38.2 | 6.305 | 45.5516 | 122.5320 |
| 330 | 1.000 | 0.100 | 34.9 | 6.032 | 45.5521 | 122.5243 |
| 335 | 1.000 | 0.100 | 33.3 | 5.905 | 45.5533 | 122.5176 |
| 340 | 1.000 | 0.100 | 31.7 | 5.777 | 45.5540 | 122.5109 |
| 345 | 1.000 | 0.100 | 30.6 | 5.686 | 45.5545 | 122.5045 |
| 350 | 1.000 | 0.100 | 31.1 | 5.728 | 45.5559 | 122.4983 |
| 355 | 1.000 | 0.100 | 36.6 | 6.175 | 45.5605 | 122.4925 |

WAIVER OF §73.807(a) REQUEST
SHORT-SPACED SECOND ADJACENT CHANNEL

KBSF-LP and KRJJ-LP
Portland, Oregon
Channel 264L1 (100.7 MHz)

The proposed modification is §73.807(a) second-adjacent channel short-spaced to stations KKRZ, Portland, Oregon and KXL-FM, Portland, Oregon.

KKRZ operates 100 kW on Channel 262C at 470 meters height above average terrain. KKRZ places a 91.9 dBu protected contour at the proposed LPFM site.

KXL-FM operates 100 kW on Channel 266C at 502 meters height above average terrain. KXL-FM places a 93.5 dBu protected contour at the proposed LPFM site.

We will evaluate protection to KKRZ as the LPFM interfering contour in respect to KXL-FM will completely encompass the interference contour in respect to KKRZ.

Using the U/D method¹, the proposed LPFM station is predicted to produce an undesired interference overlap in respect to KKRZ to the proposed LPFM station's 131.9 dBu interference contour ("overlap zone"). Due to the proposed LPFM station operating at 8 meters height above average terrain, the proposed LPFM station is specifying operation at 100 watts ERP. At 100 watts ERP, the overlap zone extends to 18 meters from the radiation center.

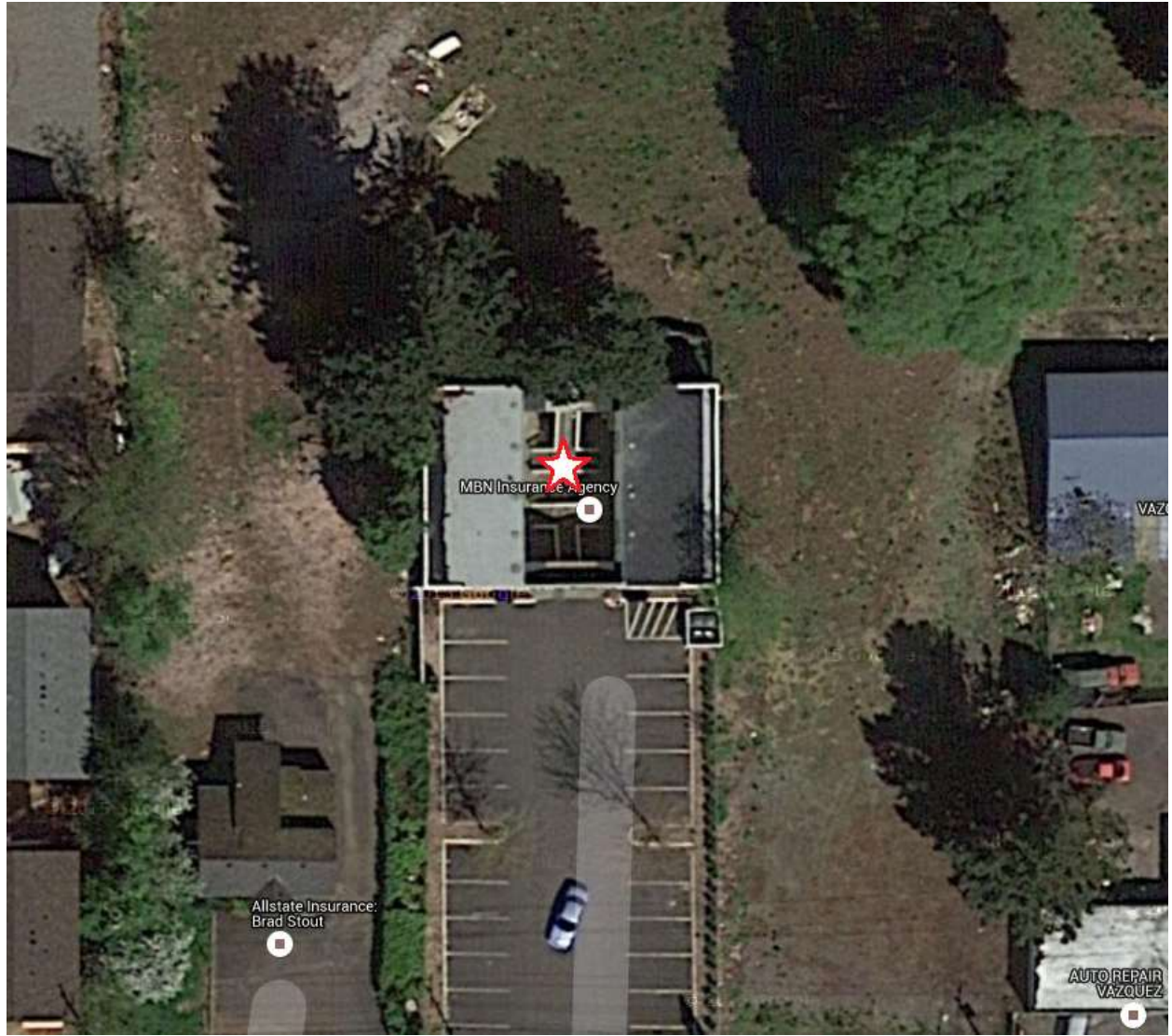
The proposed tower will be on the roof of a 2 story professional building where the highest occupation will be at 16 feet (4.9 meters) above ground level. As the radiation center is 24 meters above ground level, the 131.9 dBu interfering contour will not reach any point lower than 6 meters (19.7 feet) above ground level. As a result, the proposed station will not cause and interference to listeners and potential listeners of KKRZ and KXL-FM.

Based on the above findings, the applicants request a waiver of §73.807(a) of the Commission's Rules in respect to KKRZ and KXL-FM, Portland, Oregon.

Prepared by
Michelle Bradley
REC Broadcast Services
January 3, 2016

¹ - See *Living Way Ministries, Inc.* Memorandum Opinion and Order, 17 FCC Rcd 17054, 17056 (2002) at 5. *Recon denied* 23 FCC Rcd 15070 (2008).

TOWER LOCATION



**STREET VIEW OF BUILDING TO SHOW THAT THERE ARE NO ADJACENT
TALLER BUILDINGS WITHIN 18 METERS OF PROPOSED TOWER**

