



REC Simple250 LP-250 Foothill Effect Report

Part 2:
LPFM Contour Maps (Montana~Wyoming)

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<https://recnet.com>

<https://check.LP250.com>



About Foothill Effect and recommendations

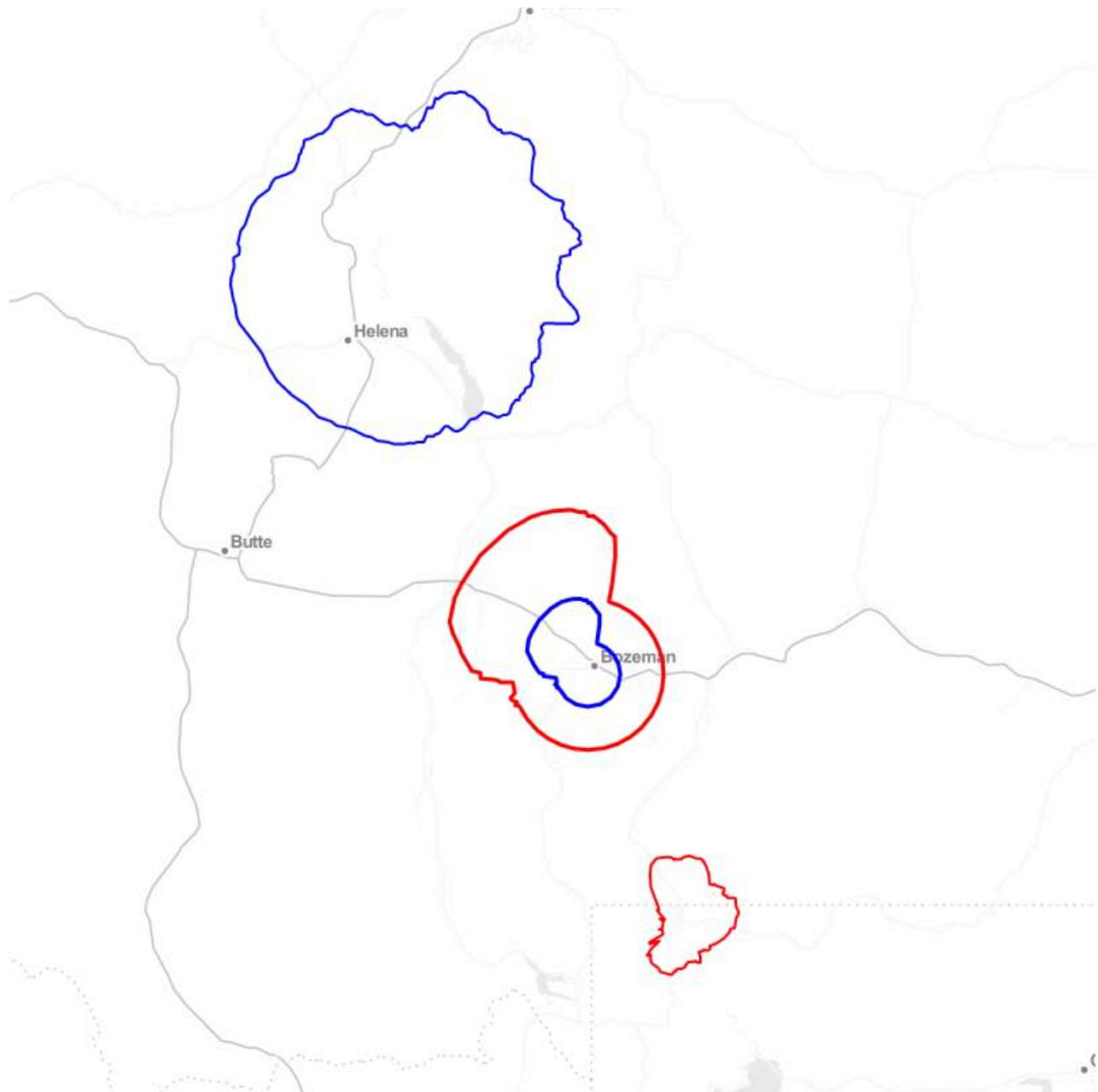
See Part 1 of this report in a separate document for details.

Individual LPFM station contour maps

Within this document we will include contour maps that show Foothill Effect LPFM stations that are able to upgrade on their current channel based on proposed distance separation rules and the impacts those upgrades will have to the protected contours of other stations. The contours will show co-channel and first-adjacent channel stations.

This document lists details for LPFM stations alphabetically by state from North Carolina to Montana. See Part 1 for details from Alaska to Massachusetts.

On the maps, the thicker lines indicate the interfering contours of the LP250 facility while the thinner lines show the protected contours of other facilities. The curves are color coded based on their relationship and the class of the other station (as commercial Class B and B1 stations use different contours than other services). Overlap occurs when a thick curve overlaps a thin curve of the same color.

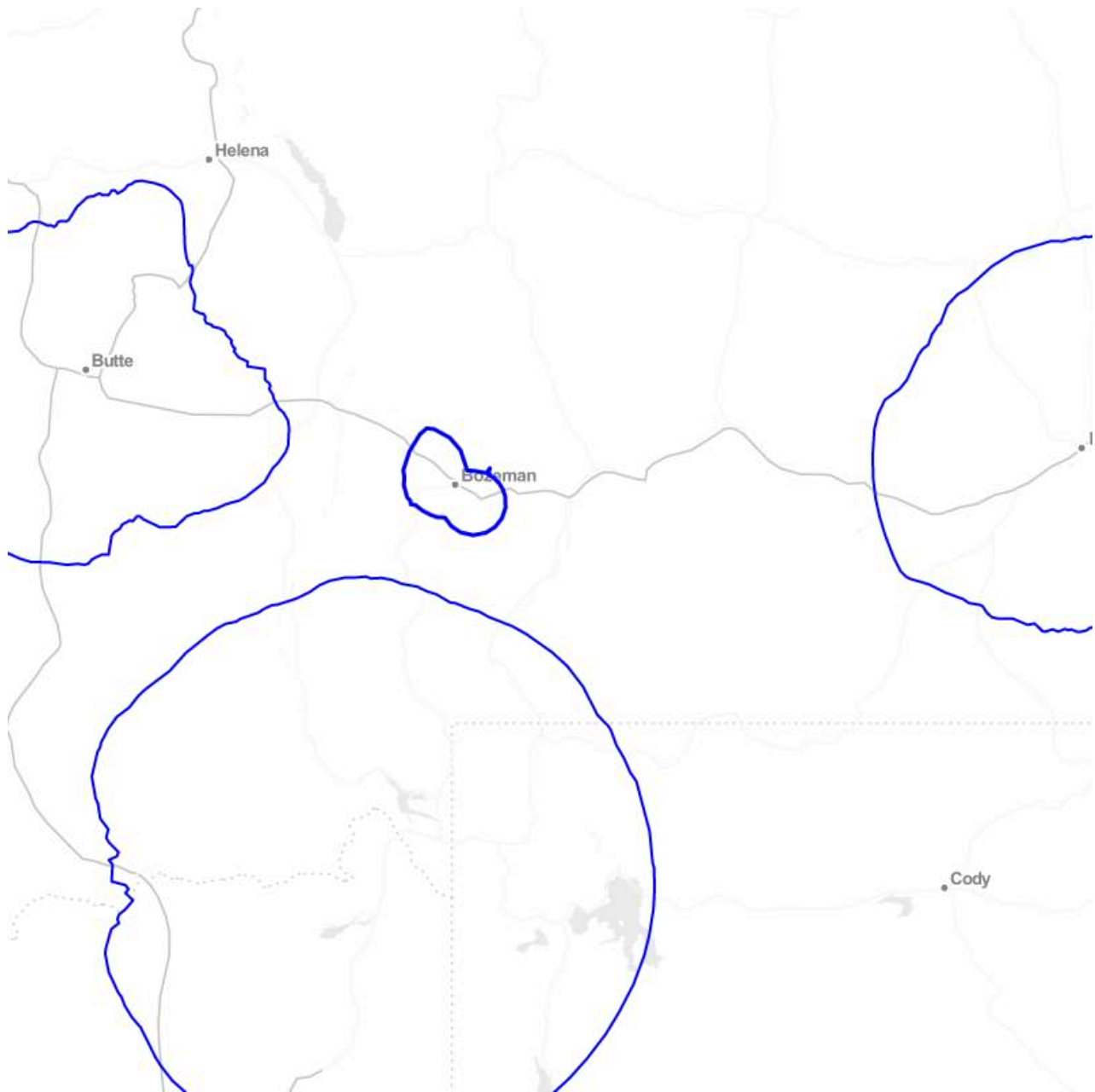


KJZS-LP (193234)

BOZEMAN MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
■ 292	D	K292BQ	MAMMOTH WY	85	44
■ 293	C2	KYPX	HELENA VALLEY SE MT	139	82

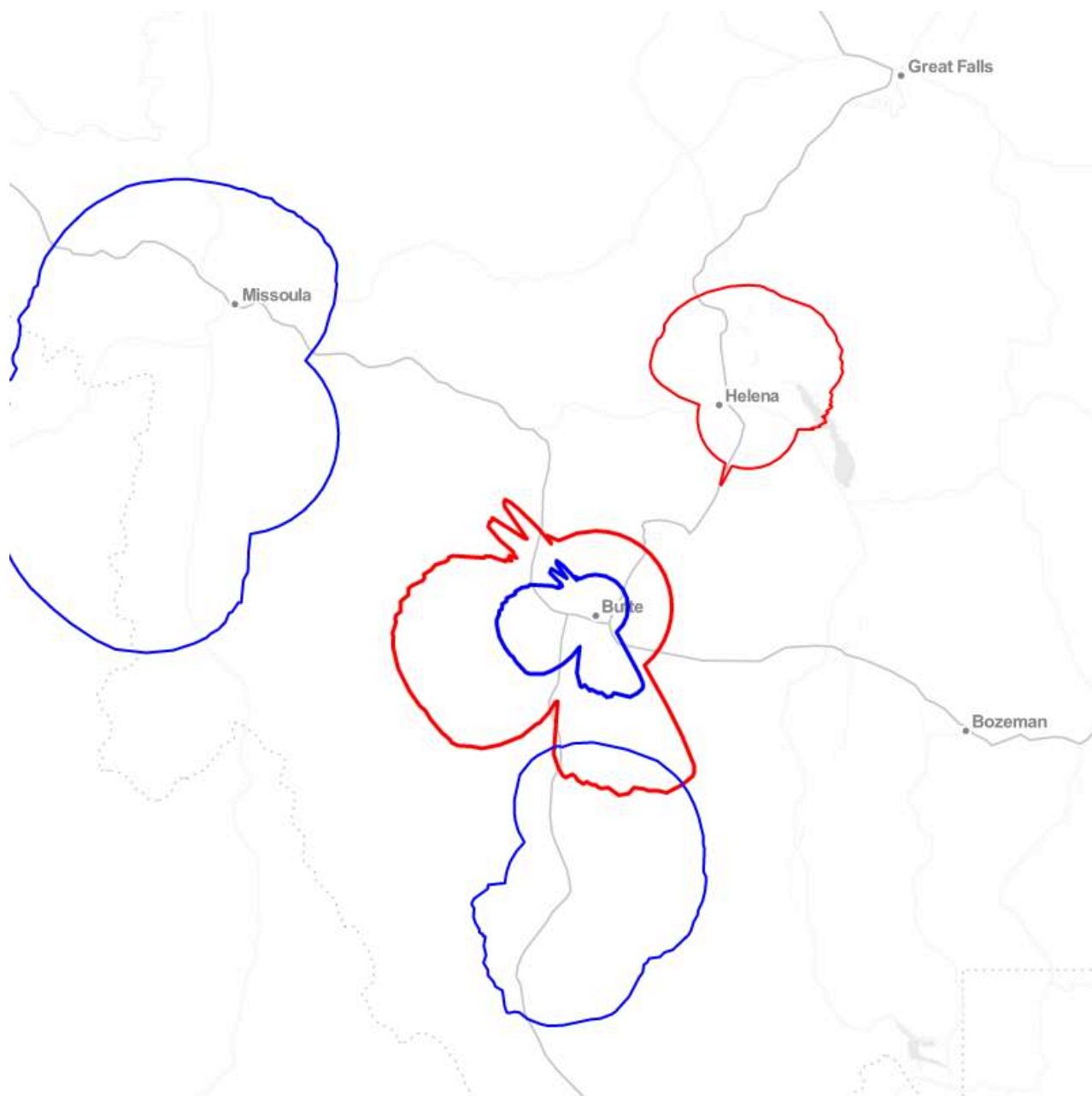


KMEA-LP (135715)

BOZEMAN MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
223	C1	KAAR	BUTTE MT	122.4	102
223	C1	KBXI	PARK CITY MT	195.9	102
225	C	KEZQ	WEST YELLOWSTONE MT	124.4	122

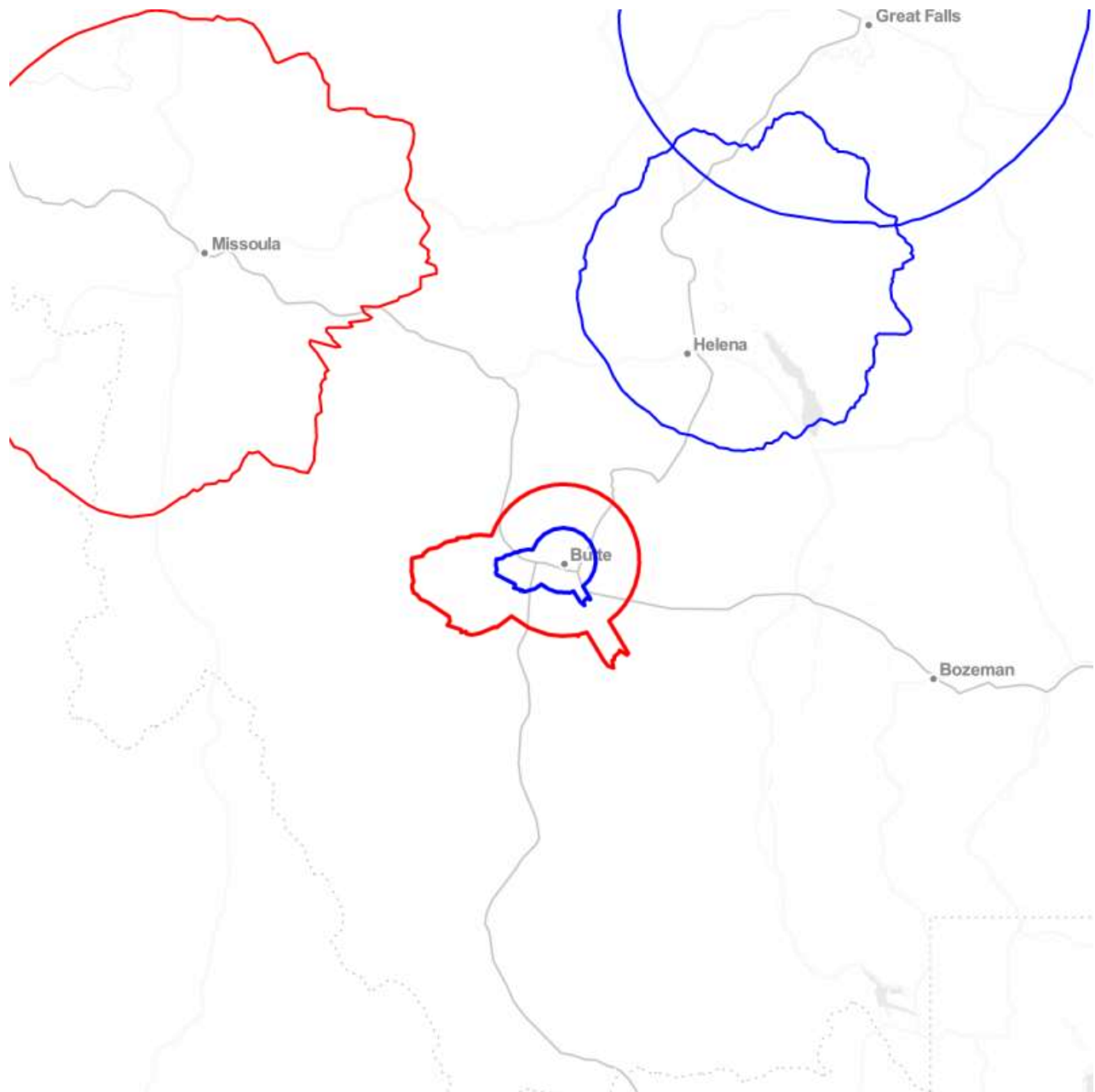


KQOV-LP (133299)

BUTTE MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
252	C3	KBEV-FM	DILLON MT	88.3	69
253	A	KHGC	MONTANA CITY MT	75.6	72
254	C1	KHKM	HAMILTON MT	123.6	102

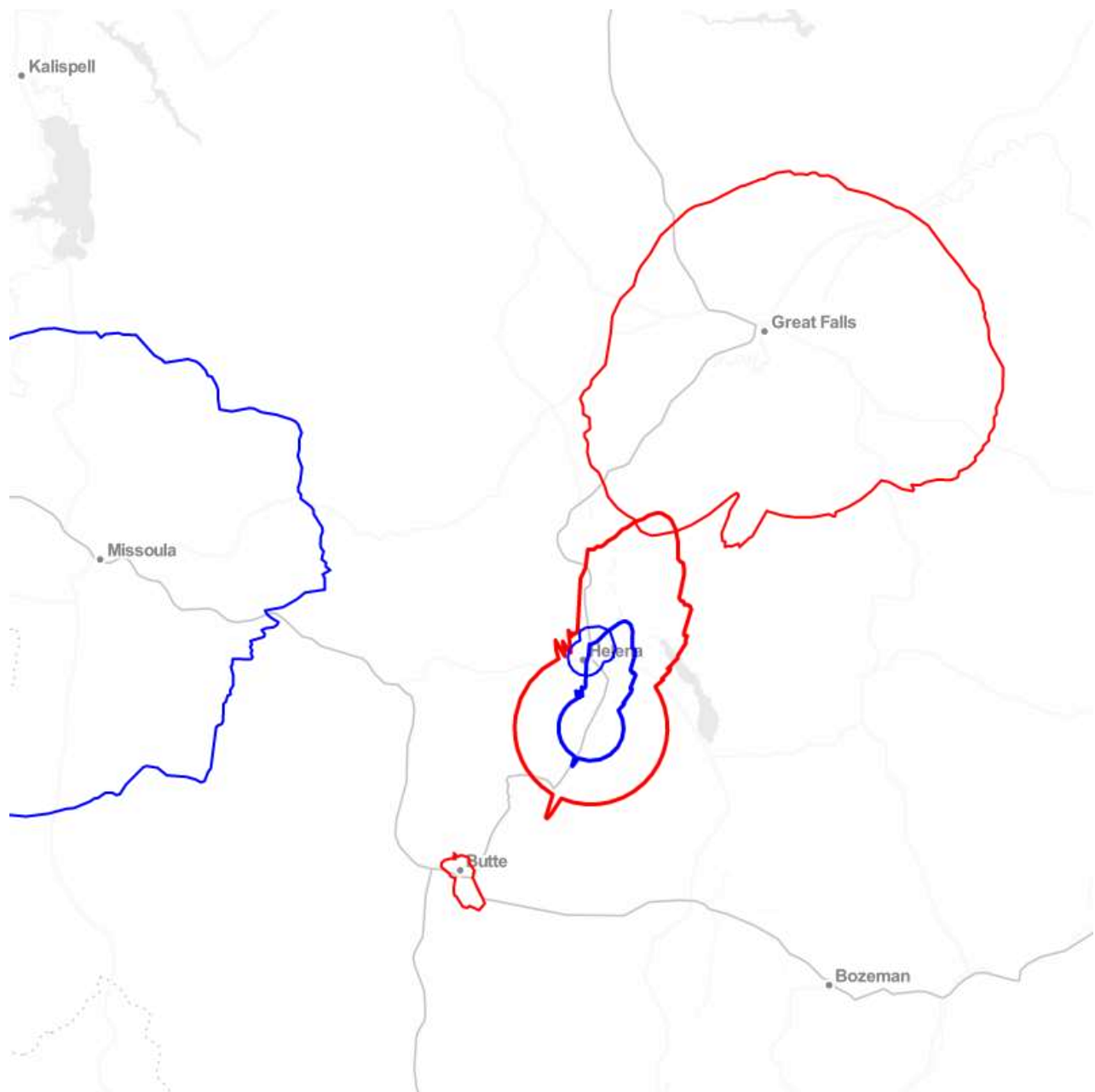


KBMF-LP (192251)

BUTTE MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
272	C2	KMXM	HELENA VALLEY NE MT	110.6	82
273	C0	KMSO	MISSOULA MT	141.6	127
274	C1	KINX	FAIRFIELD MT	198.6	102



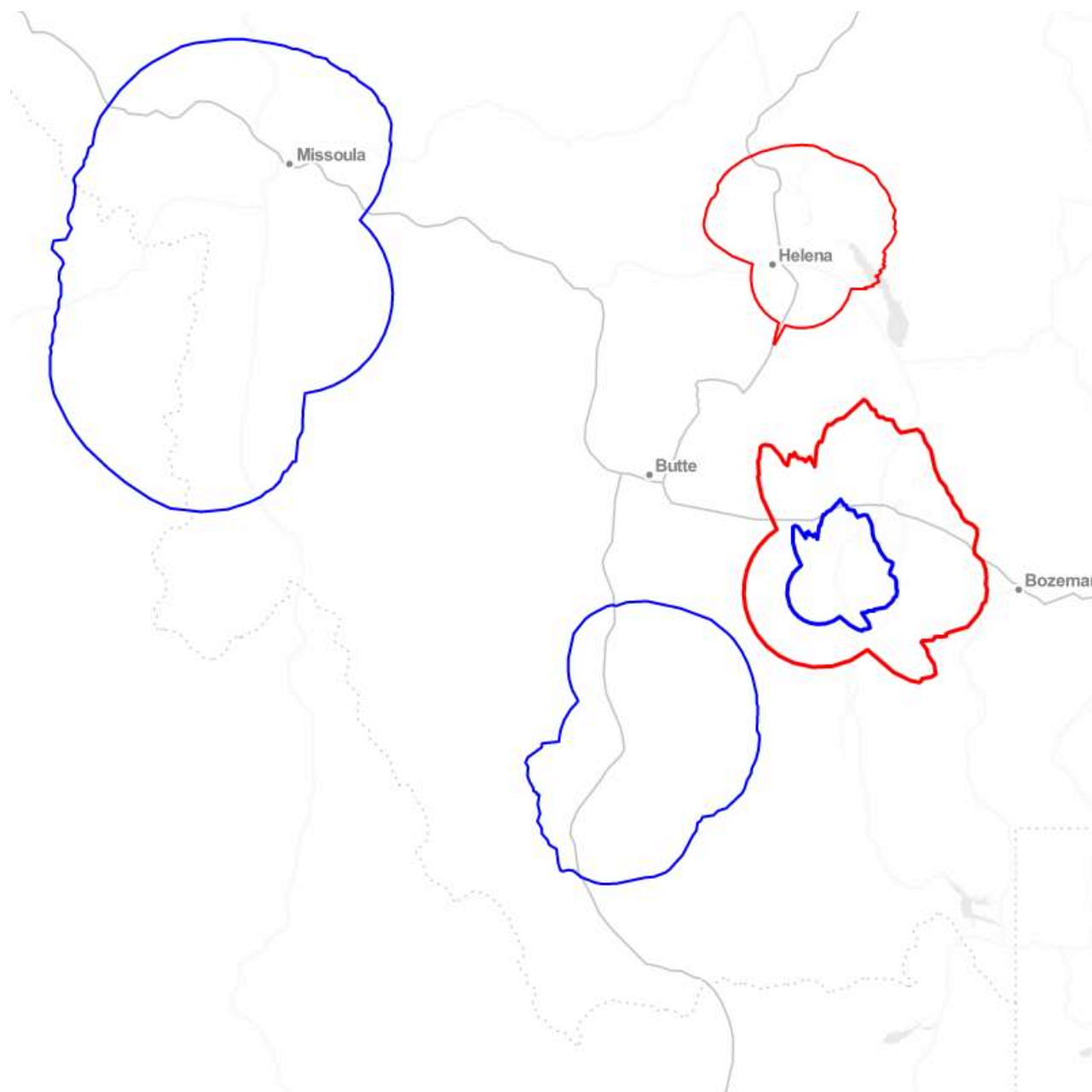
KEAJ-LP (134669)

CELL SITE MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
261	C1	KZOQ-FM	MISSOULA MT	157.3	102
261	L1	KMEH-LP	HELENA MT	21.9	17
262	D	K262AB	WALKERVILLE MT	58.1	31
262	C1	KLSK	GREAT FALLS MT	116.2	116

Overlap with KLSK is entirely in intervening terrain and there is zero population within the 10 sq km area.



KHWL-LP (196020)

HARRISON MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
252	C3	KBEV-FM	DILLON MT	80.3	69
253	A	KHGC	MONTANA CITY MT	98.4	72
254	C1	KHKM	HAMILTON MT	189.3	102

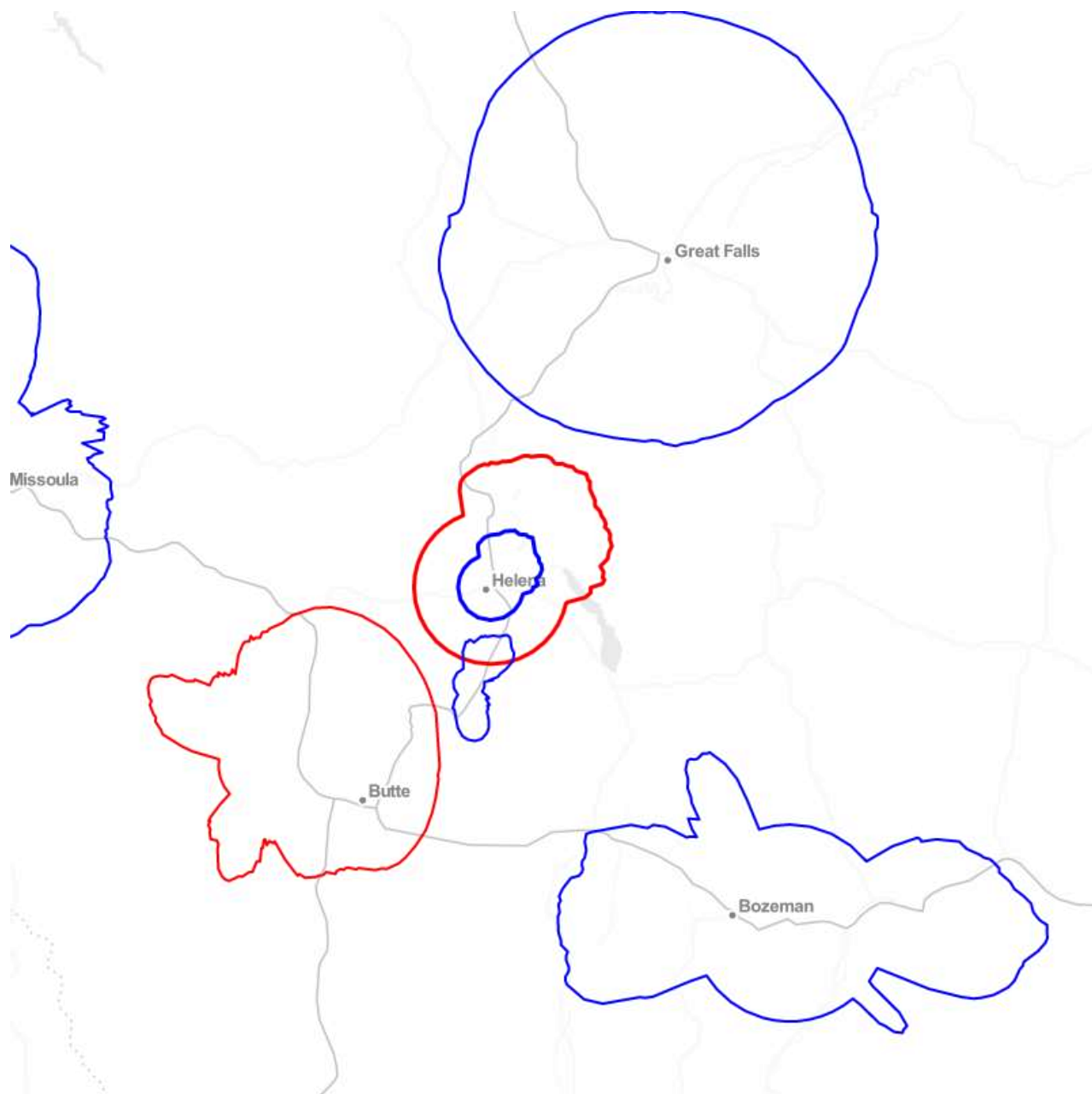


KNEH-LP (133295)

HELENA MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
246	C	KALS	KALISPELL MT	235.9	122
248	C2	KYMI	CHARLO MT	157.8	82
248	C1	KOZB	LIVINGSTON MT	141.7	102
248	D	K248CR	BOULDER MT	30.4	17

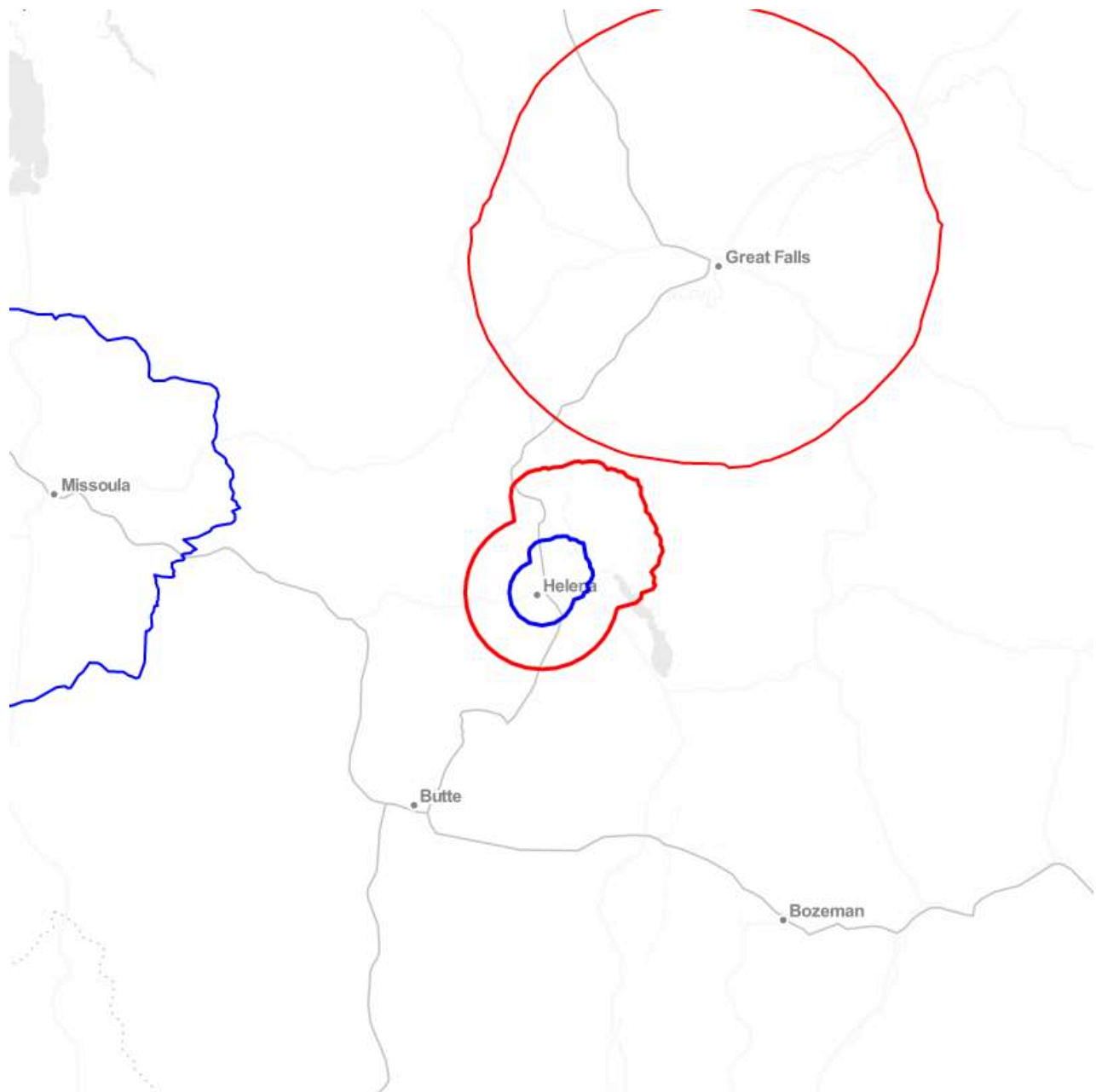


KCCH-LP (134394)

HELENA MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
248	C2	KYMI	CHARLO MT	159.5	82
248	C1	KOZB	LIVINGSTON MT	140.3	102
248	D	K248CR	BOULDER MT	30.6	17
249	C3	KGLM-FM	ANACONDA MT	90.7	83
250	C1	KVVR	DUTTON MT	123.8	102

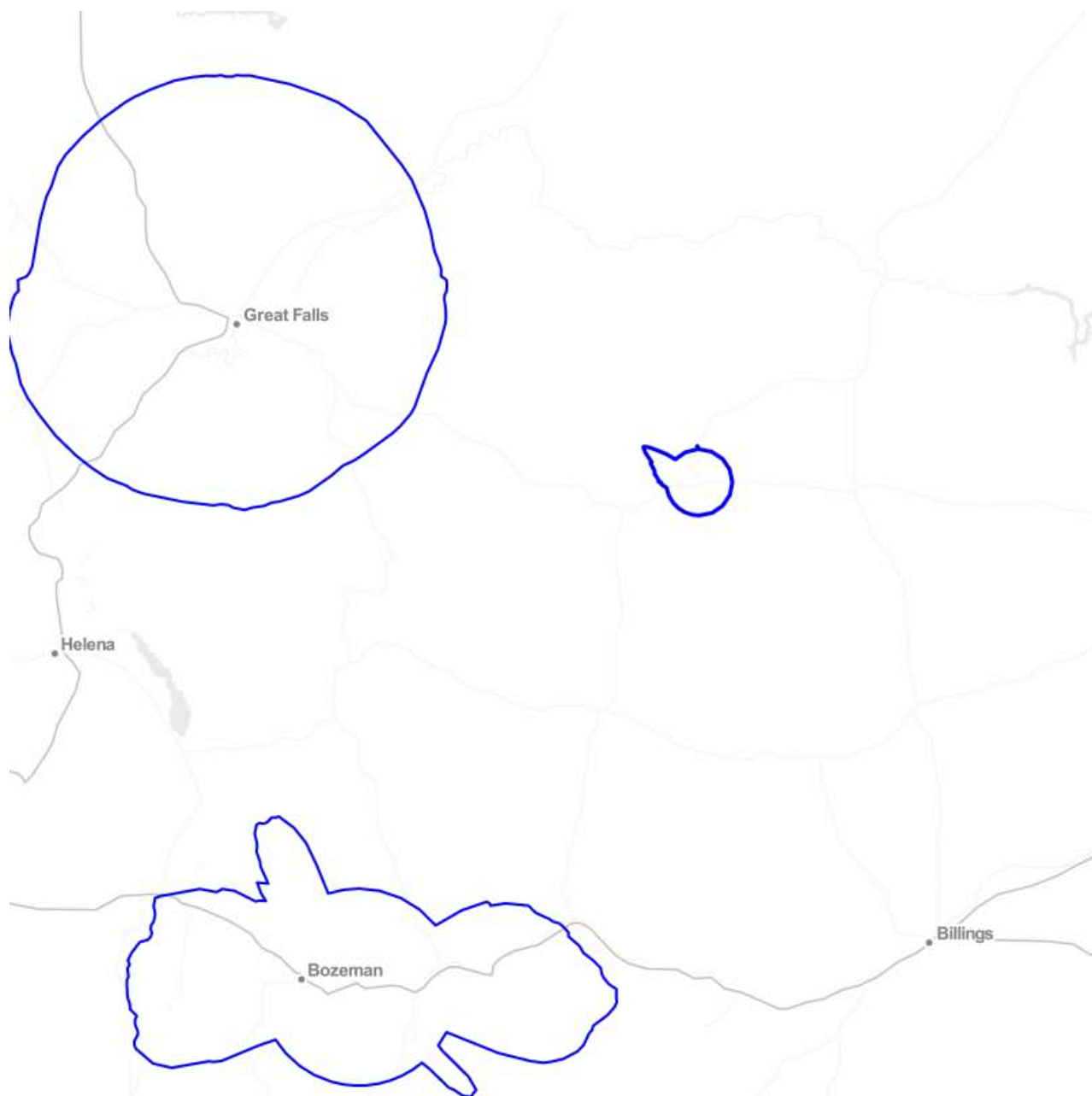


KHFG-LP (131415)

HELENA MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
268	C1	KAMM-FM	FRENCHTOWN MT	151.4	102
269	C1	KWGF	VAUGHN MT	122.6	116

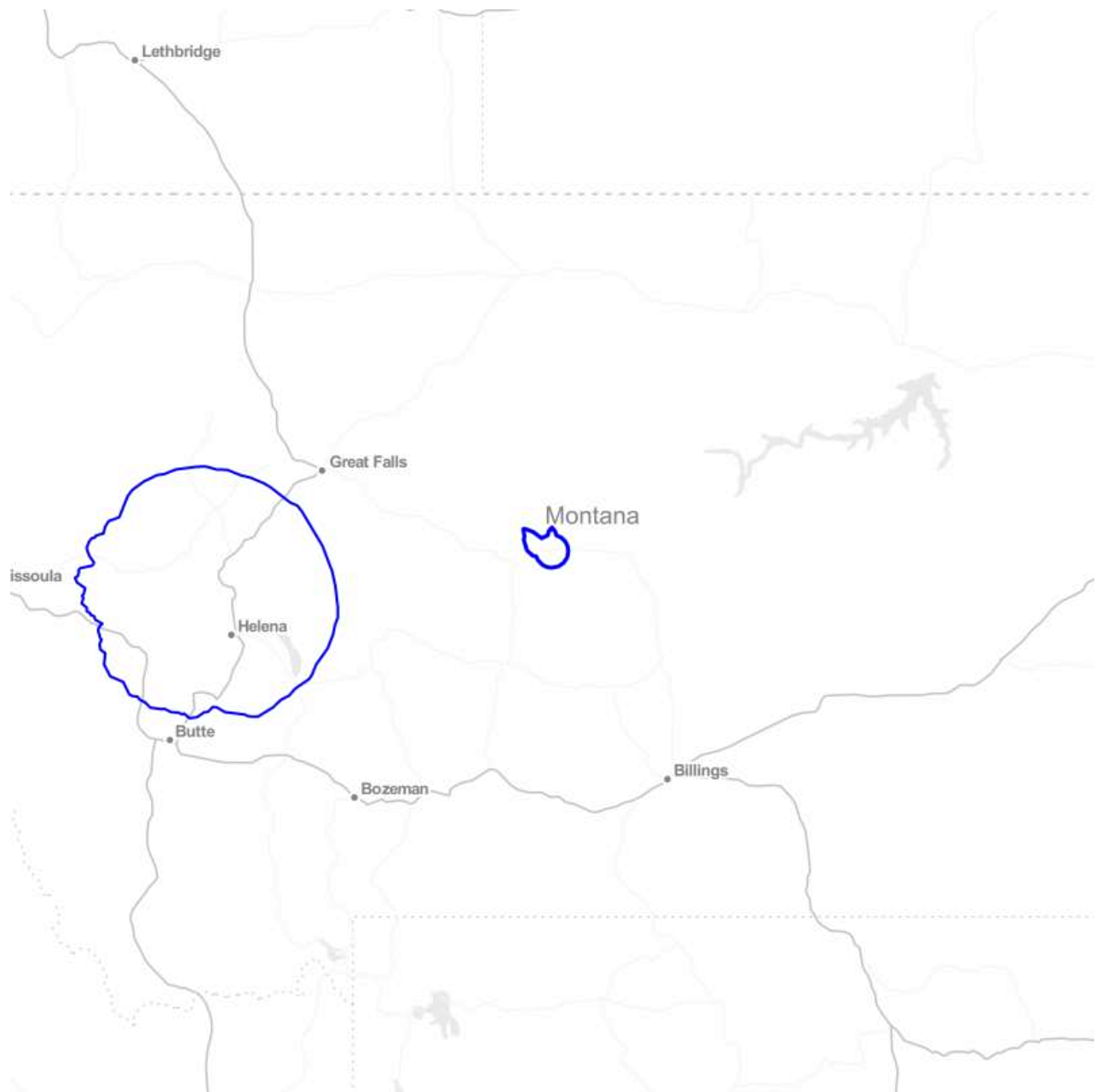


KQLW-LP (194737)

LEWISTOWN MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
248	C1	KOZB	LIVINGSTON MT	189.1	102
250	C1	KVVR	DUTTON MT	157.2	102

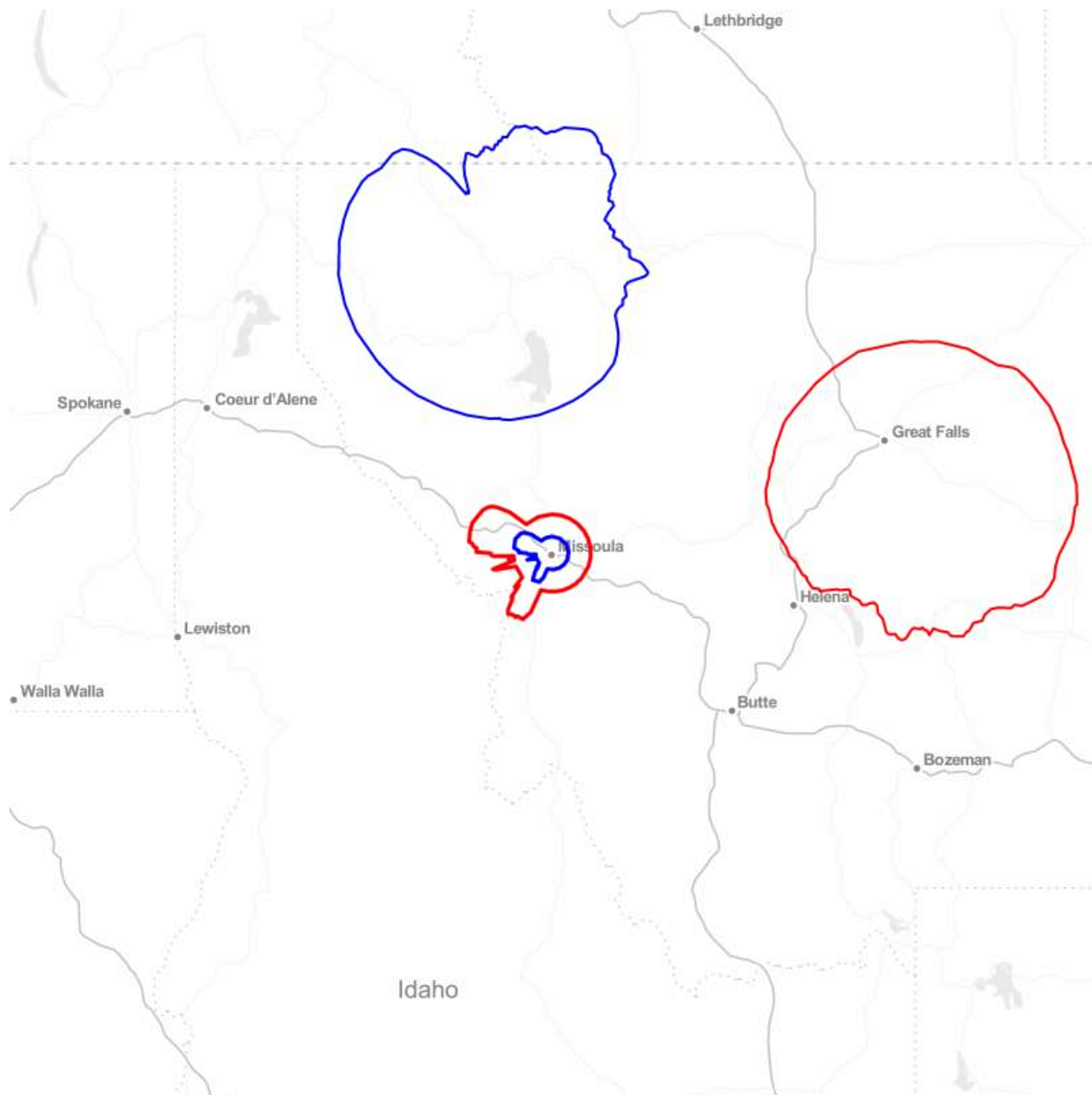


KSJG-LP (193007)

LEWISTOWN MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
287	C0	KMTX	HELENA MT	223	114

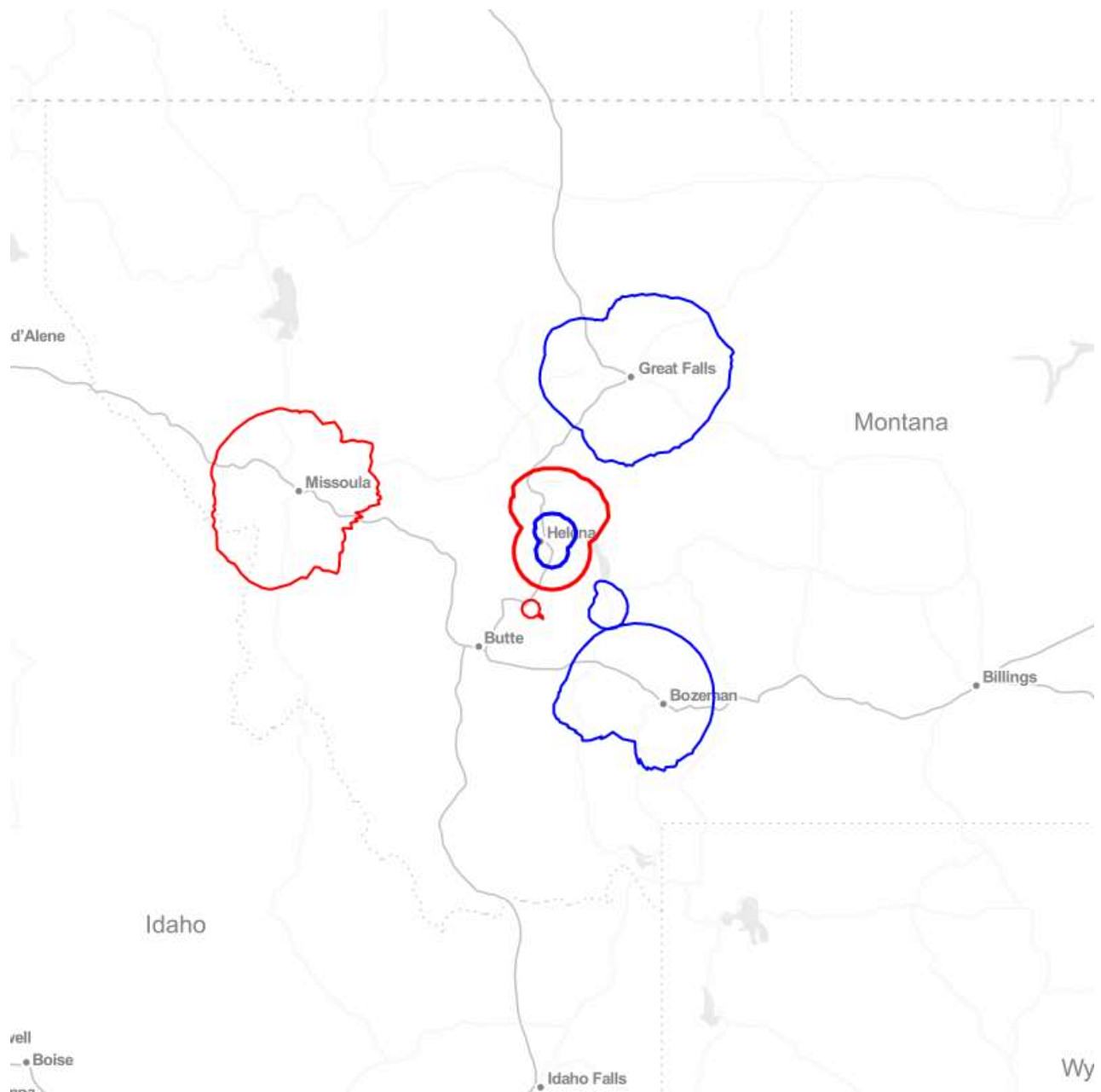


KWLY-LP (135554)

MISSOULA MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
285	C	KIKF	CASCADE MT	228.4	136
286	C	KWOL-FM	WHITEFISH MT	183.4	122



KWLK-LP (134809)

MONTANA CITY MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
289	C2	KKQX	MANHATTAN MT	112.7	82
290	L1	KEME-LP	BOULDER MT	38.1	31
290	C2	KYJK	MISSOULA MT	158.2	96
291	D	K291BN	TOWNSEND MT	41.6	30
291	C1	KQDI-FM	HIGHWOOD MT	122.2	102

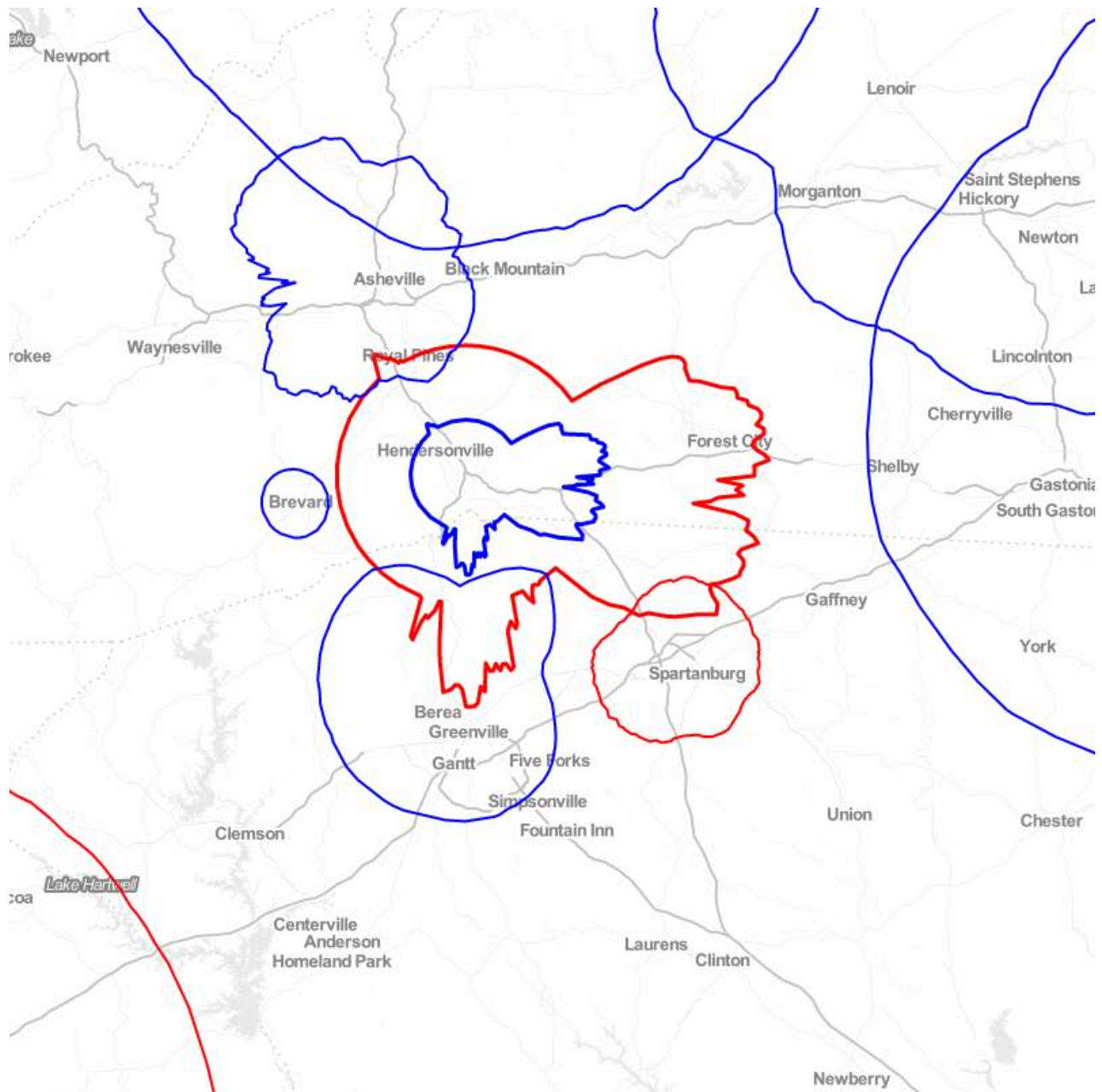


KTGC-LP (134971)

ST. REGIS MT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
266	C	KEYF-FM	CHENEY WA	167	122
266	C	KZMT	HELENA MT	221.2	122
268	C1	KAMM-FM	FRENCHTOWN MT	104.2	102
268	C1	KATW	LEWISTON ID	178.8	102



WICE-LP (134678)

HENDERSONVILLE NC

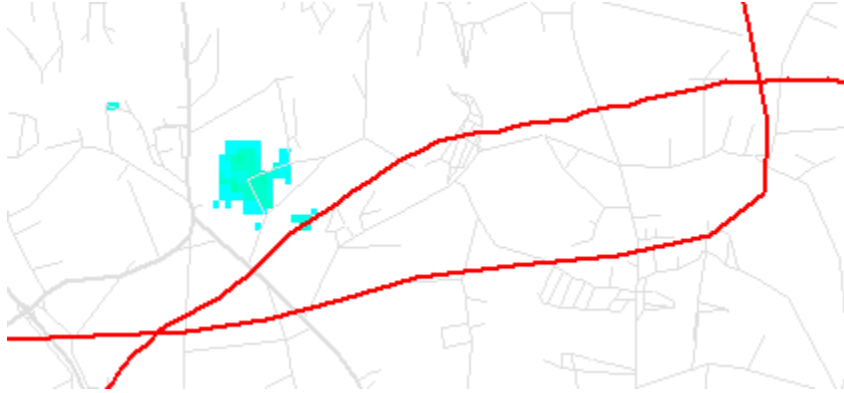
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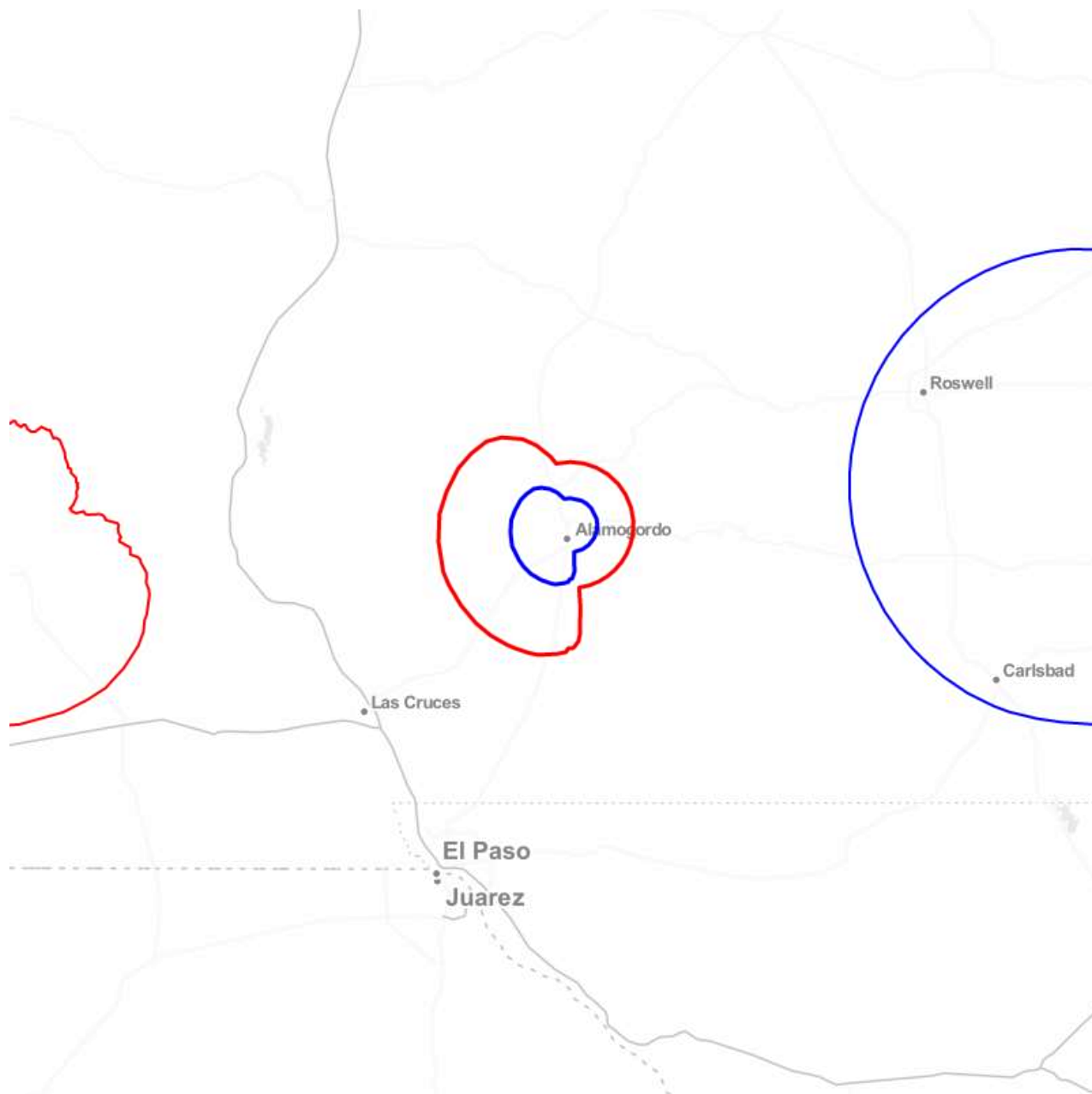
Channel	Class	Call	Location	Distance	LP250 Dist Req
245	C	WXBQ-FM	BRISTOL VA	130.5	122
245	D	W245CH	TRAVELERS REST SC	37.2	30
245	C	WKKT	STATESVILLE NC	148.3	122
246	C	WSRV	GAINESVILLE GA	184.9	136
246	D	W246CV	SPARTANBURG SC	49.9	44
246	C0	WQMG	GREENSBORO NC	241.5	127
247	D	W247BV	ASHEVILLE NC	42.7	30
247	C	WKBC-FM	NORTH WILKESBORO NC	145.3	122
247	D	W247DH	BREVARD NC	30.9	17

See next page...

WICE-LP is overlapped with FM Translator W246CV.

A Longley Rice study shows that WICE-LP does not place at least a 40 dB field strength into that area due to intervening terrain.



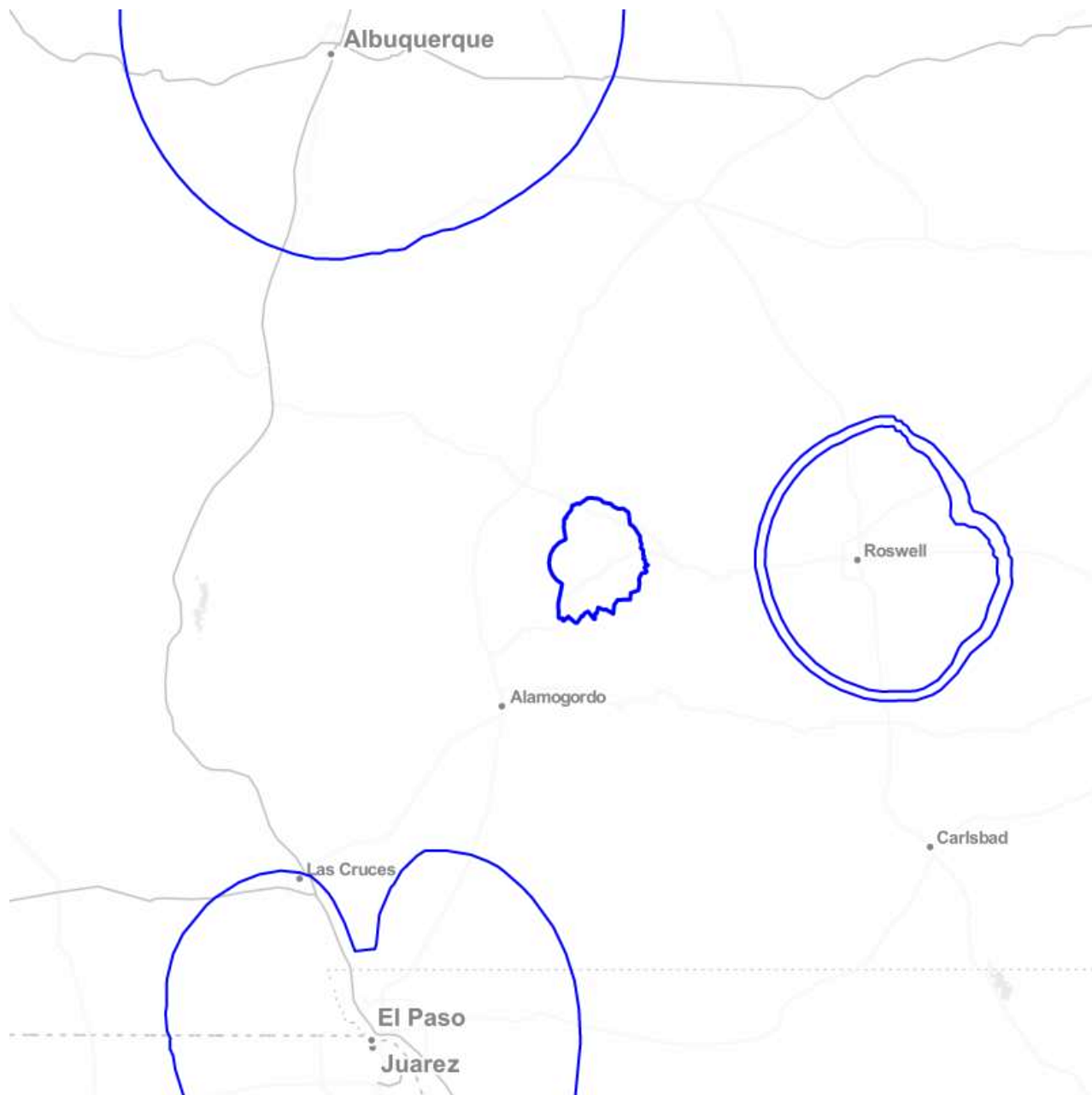


KALH-LP (134603)

ALAMOGORDO NM

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
235	C	KBIM-FM	ROSWELL NM	199.1	122
236	C1	KNUW	SANTA CLARA NM	214.9	116

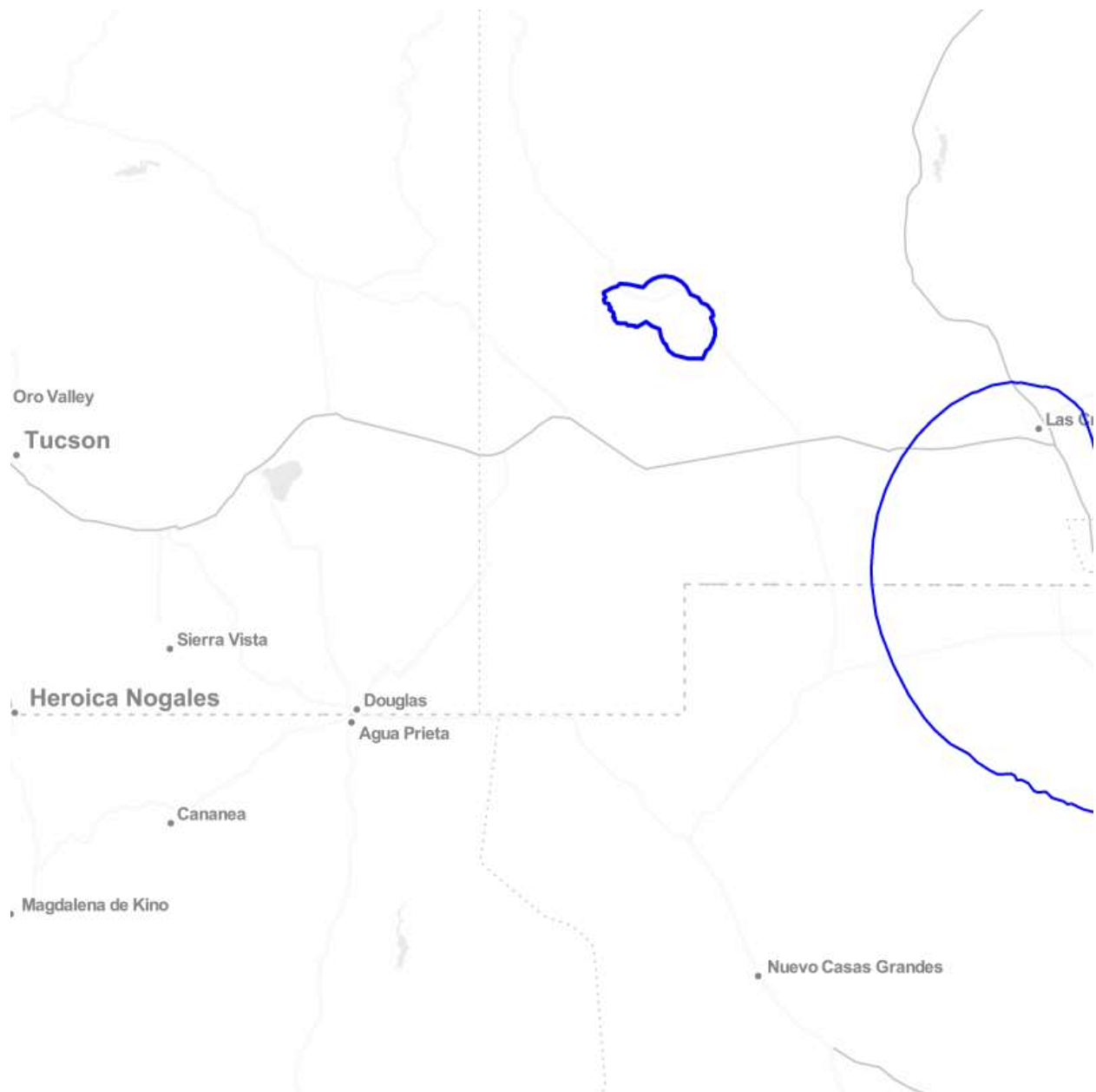


KEDU-LP (134657)

RUIDOSO NM

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
271	C	KPRR	EL PASO TX	192.3	122
273	C2	KALN	DEXTER NM	120.6	82
273	C2	KALN	DEXTER NM	120.6	82
273	C	KIOT	LOS LUNAS NM	215.2	122

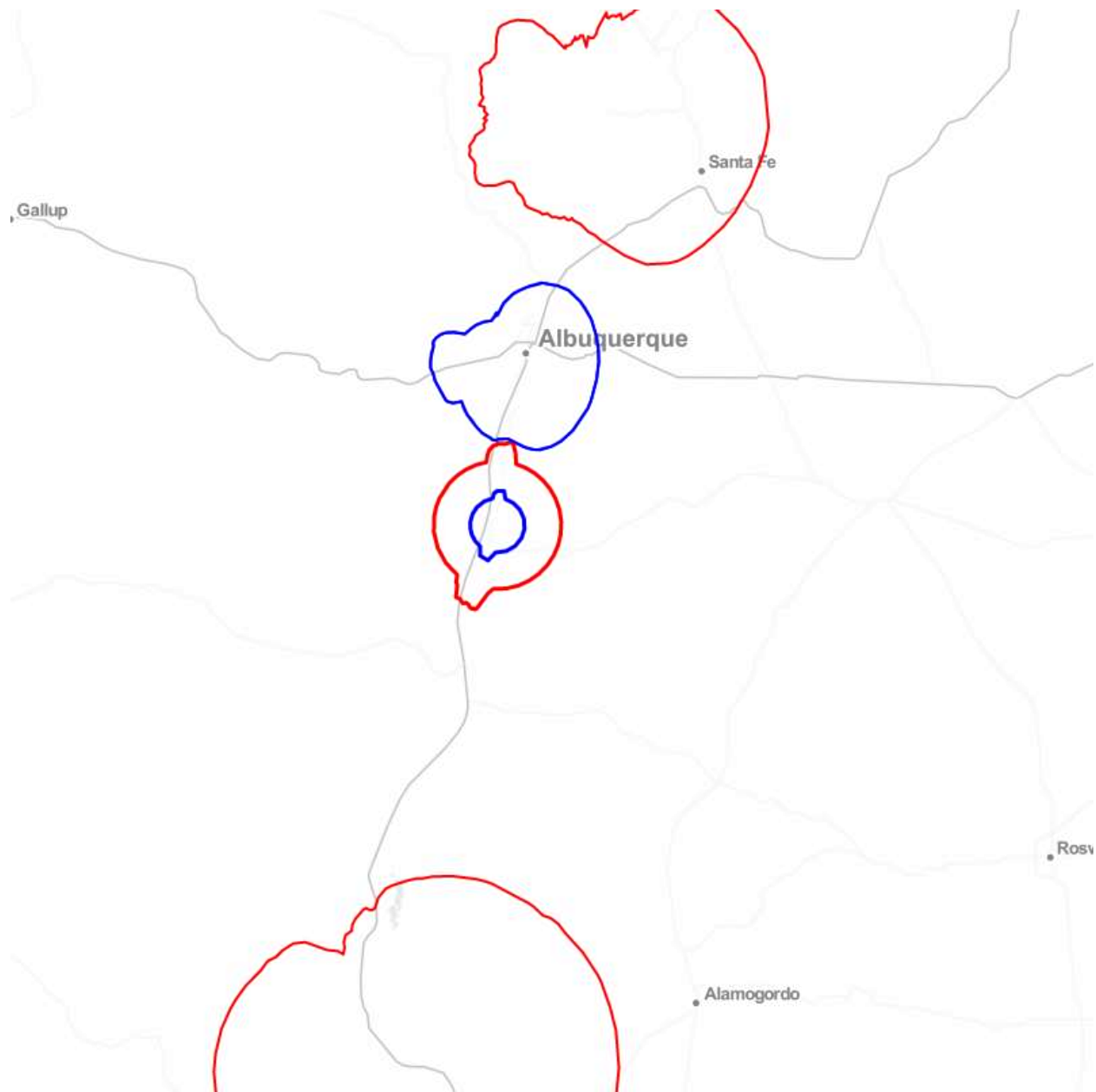


KKSC-LP (134039)

SILVER CITY NM

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
260	C	KTSM-FM	EL PASO TX	199.8	122

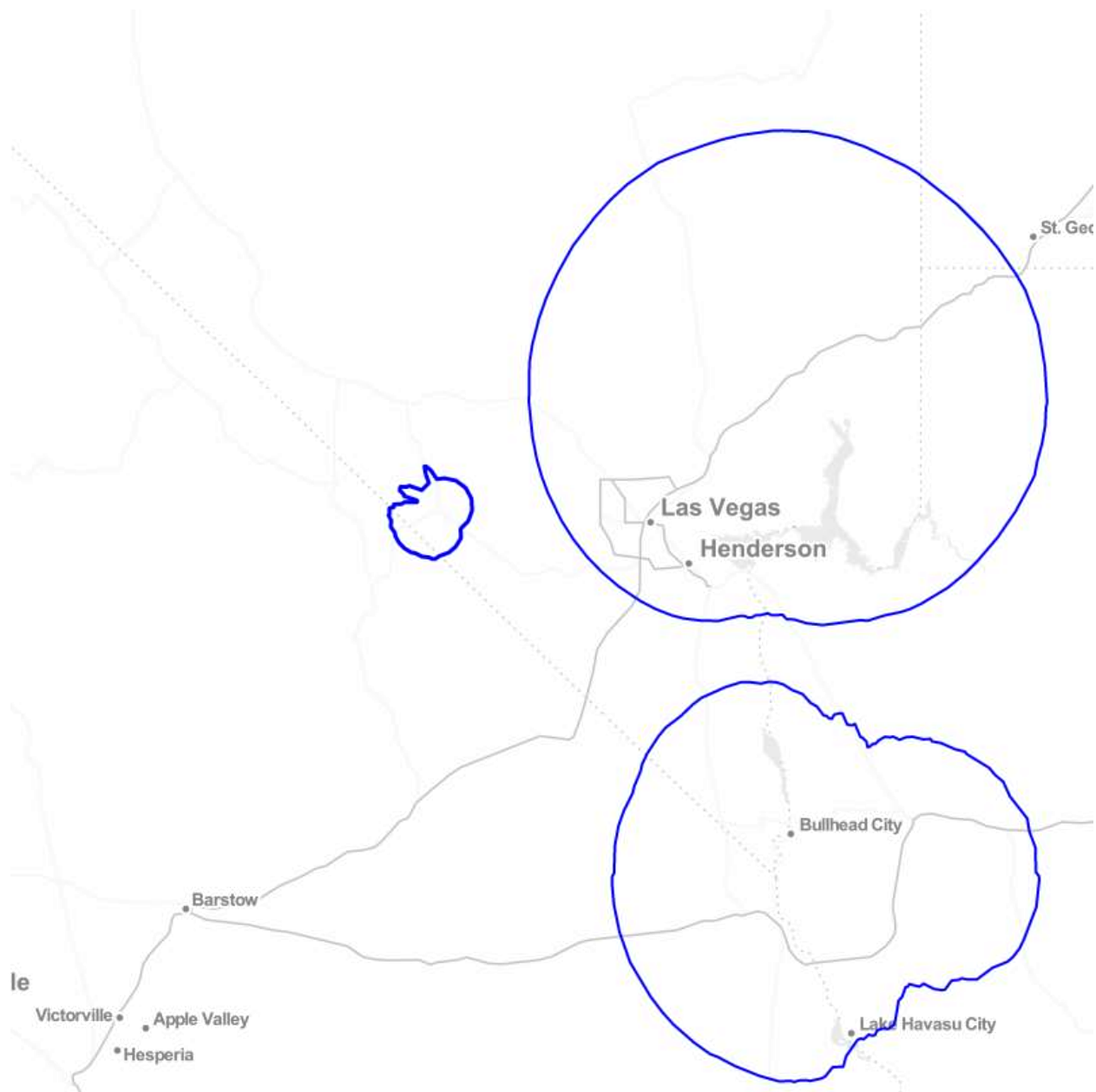


KVNМ-LP (192176)

VEGUITA, NM NM

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
266	C2	KSFR	WHITE ROCK NM	156.3	96
266	C	KVLC	HATCH NM	203.7	136
267	A	KRKE-FM	ALBUQUERQUE NM	61.7	58
267	A	KRKE-FM	ALBUQUERQUE NM	61.7	58

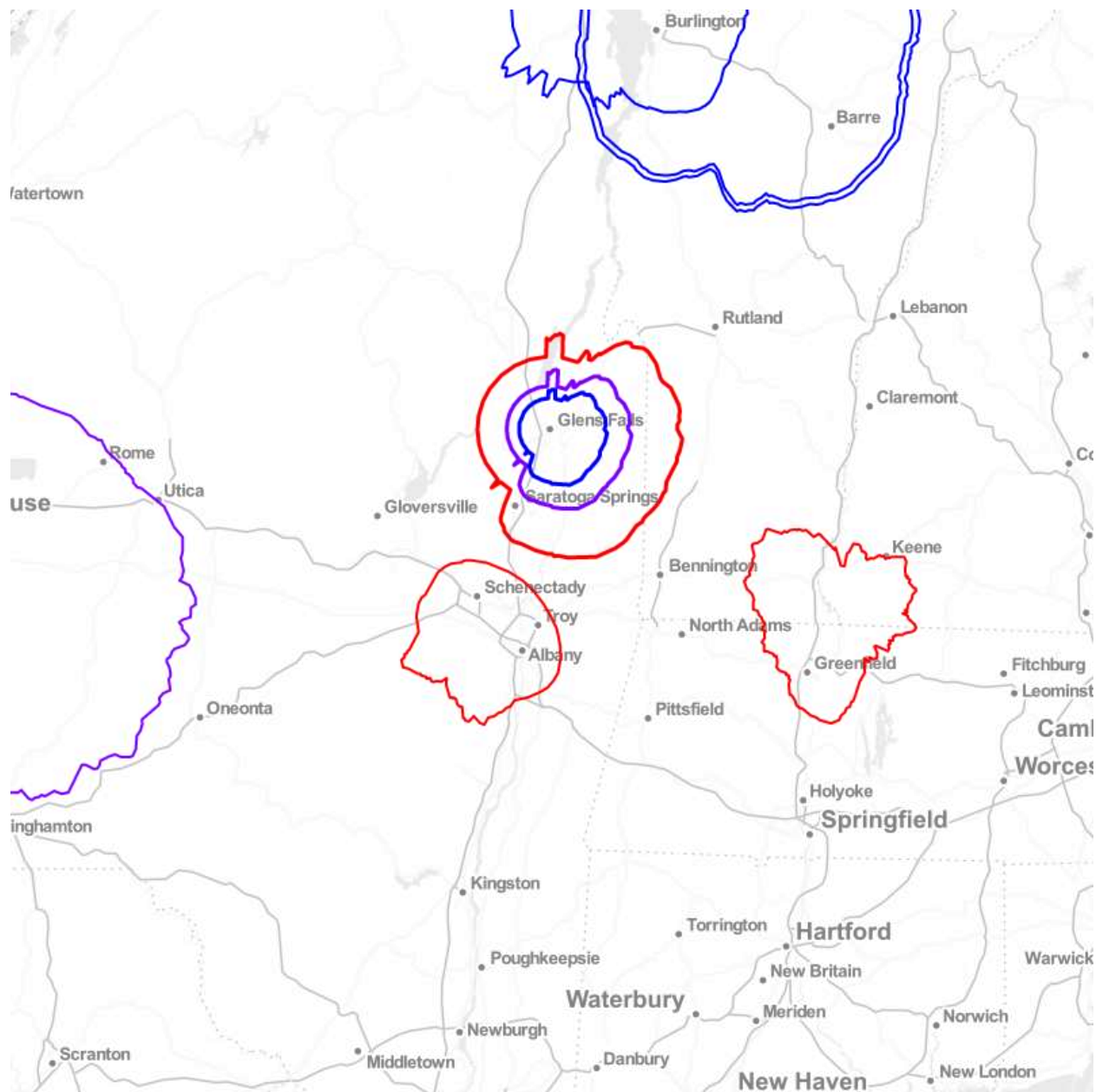


KPFF-LP (191768)

PAHRUMP NV

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
248	C	KVEG	MESQUITE NV	129.3	122
250	C1	KLUK	NEEDLES CA	196.5	102

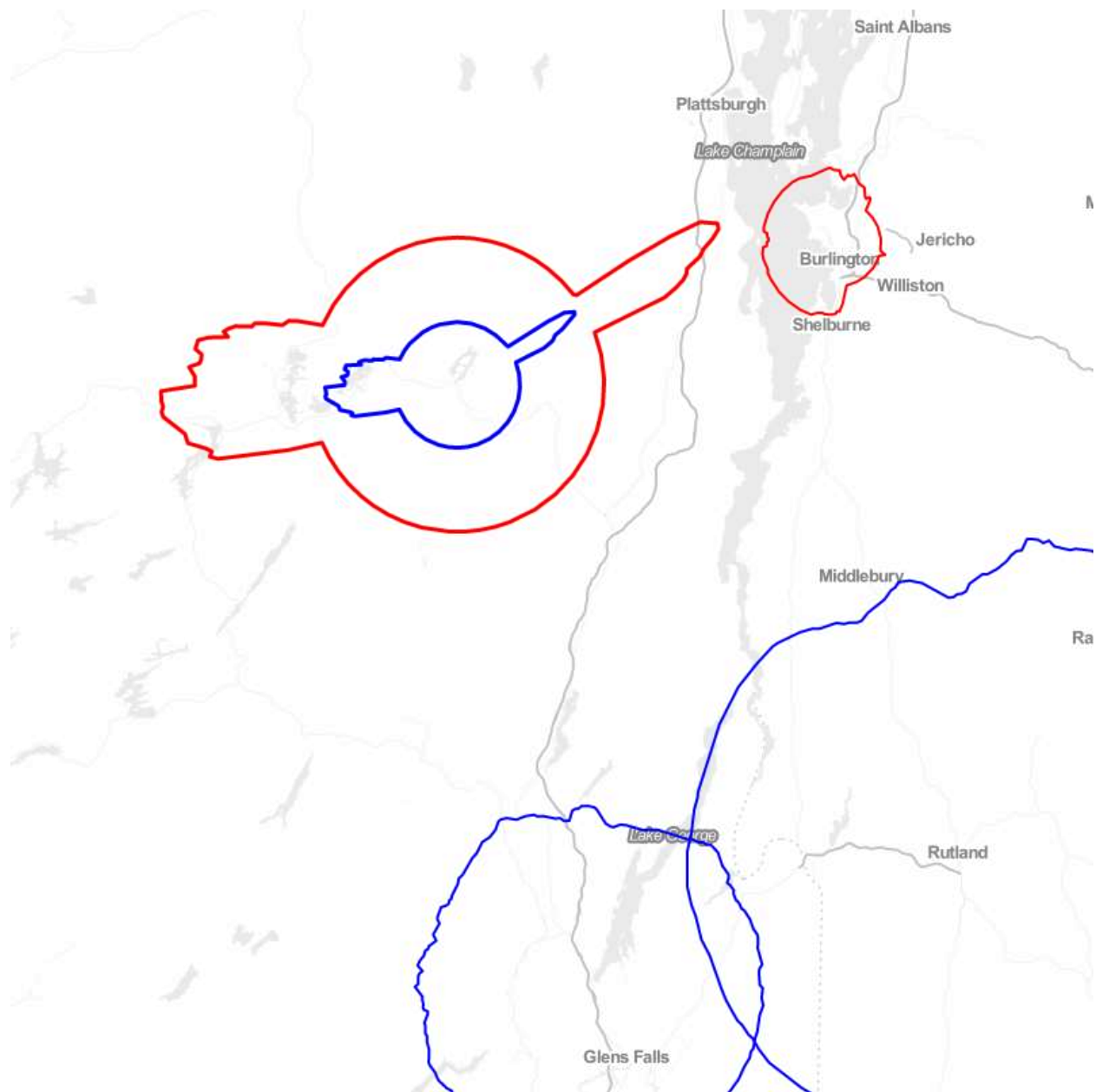


WBLN-LP (131698)

GLENS FALLS NY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
284	C2	WNCS	MONTPELIER VT	139.8	82
284	C2	WNCS	MONTPELIER VT	139.8	82
285	A	WINU	ALTAMONT NY	80.2	72
285	A	WYRY	HINSDALE NH	113.7	72
286	C3	WKOL	PLATTSBURGH NY	135.5	69
286	B	WCIS-FM	DERUYTER NY	188.3	99

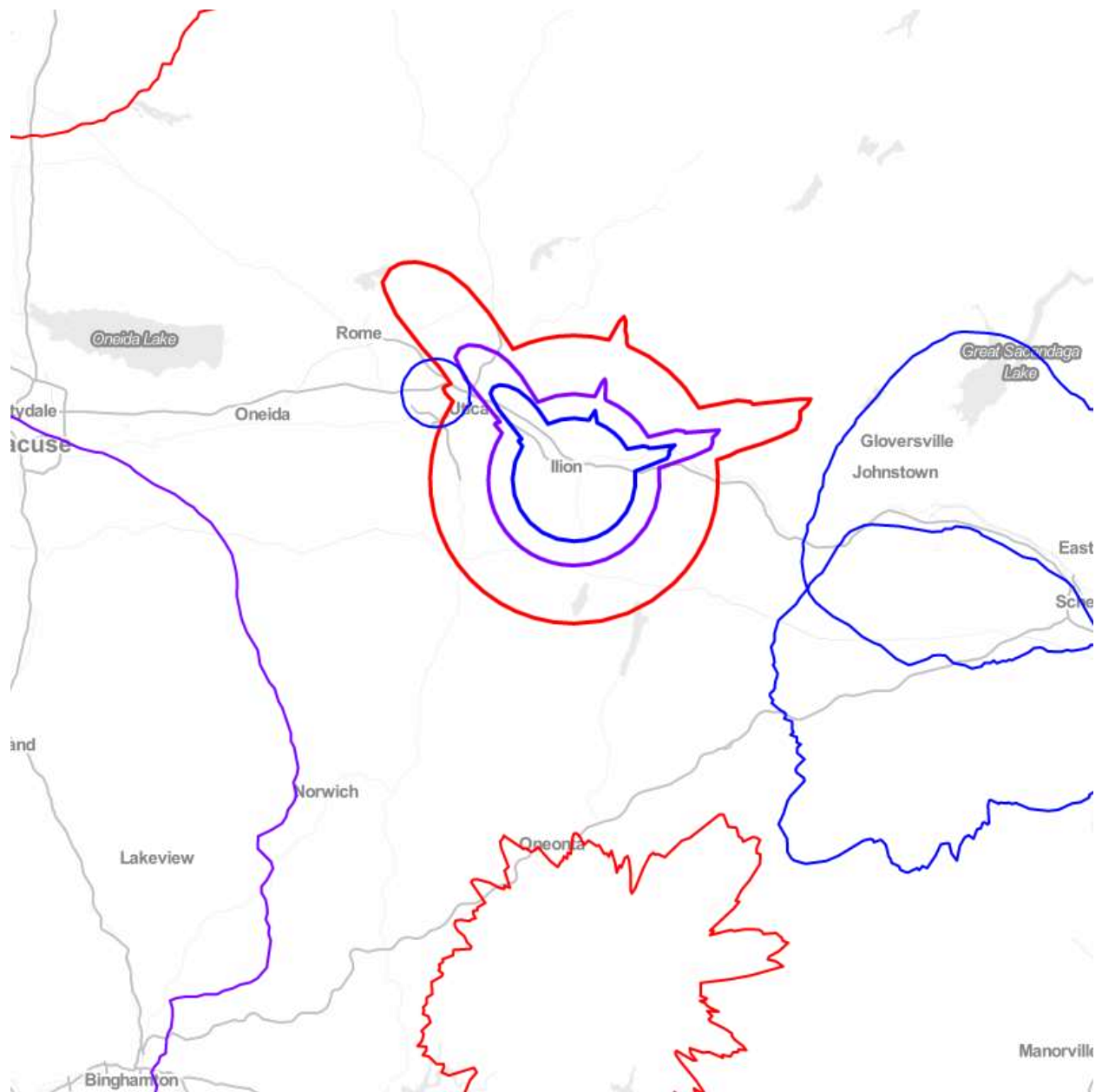


WCLP-LP (192810)

LAKE PLACID NY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
251	C2	WJJR	RUTLAND VT	120.9	82
252	D	W252CJ	BURLINGTON VT	65.7	37
253	A	WCKM-FM	LAKE GEORGE NY	98.6	58

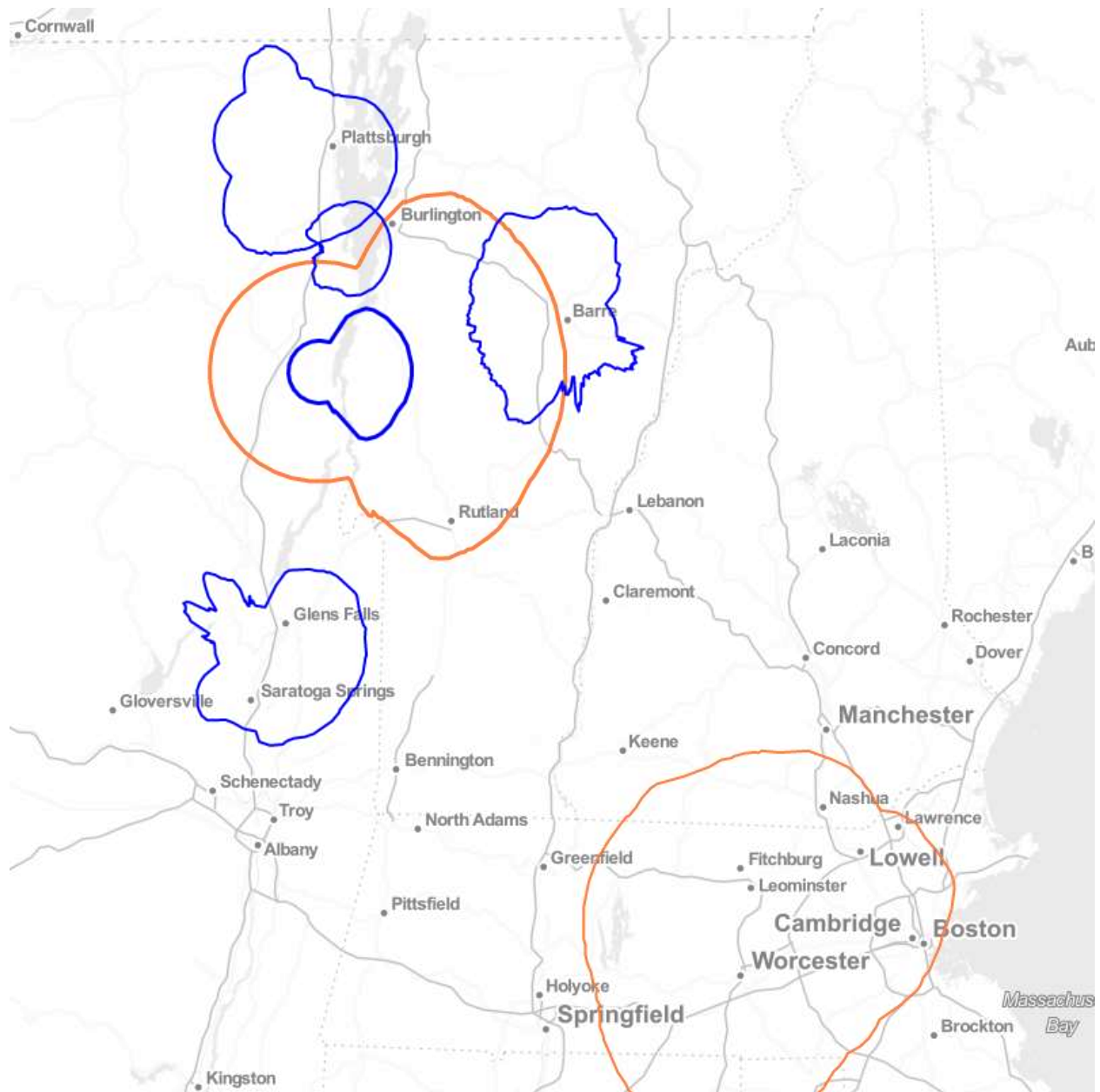


WHMV-LP (193035)

MOHAWK NY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
247	A	WMYY	SCHOHARIE NY	73.6	58
247	L1	WHIH-LP	WHITESBORO NY	27	17
247	B	WYXL	ITHACA NY	125.5	99
248	C1	WFRY-FM	WATERTOWN NY	126.1	116
248	A	WTBD-FM	DELHI NY	84.4	72
249	A	WEXT	AMSTERDAM NY	68.4	58

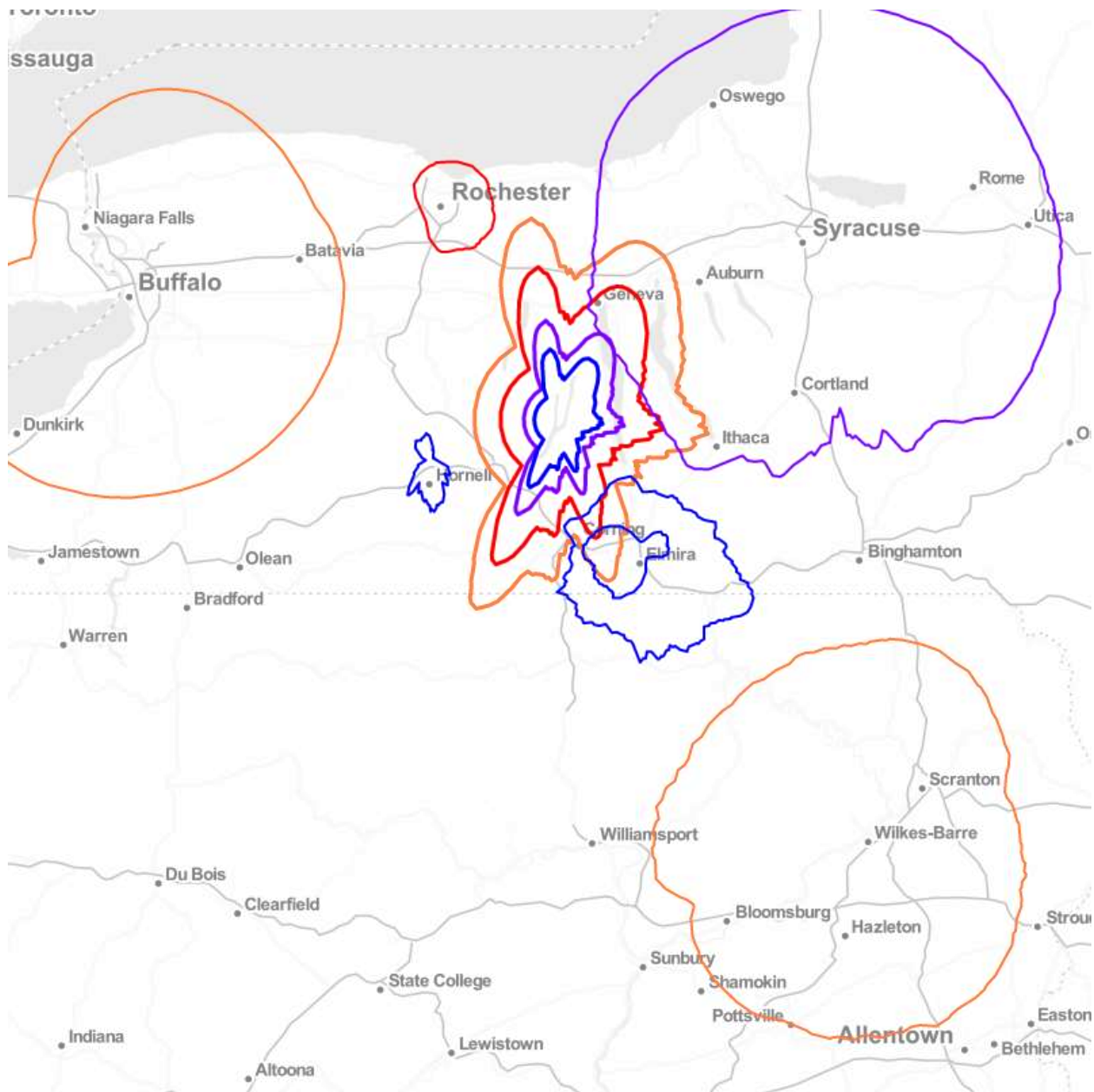


WMUD-LP (132393)

MORIAH NY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
296	A	WWFK	PLATTSBURGH WEST NY	77.2	58
296	A	WKBE	CORINTH NY	91.6	58
296	A	WRFK	BARRE VT	83.2	58
297	B	WKVB	WESTBOROUGH MA	239.3	121
298	D	W298DD	BURLINGTON VT	40.1	30



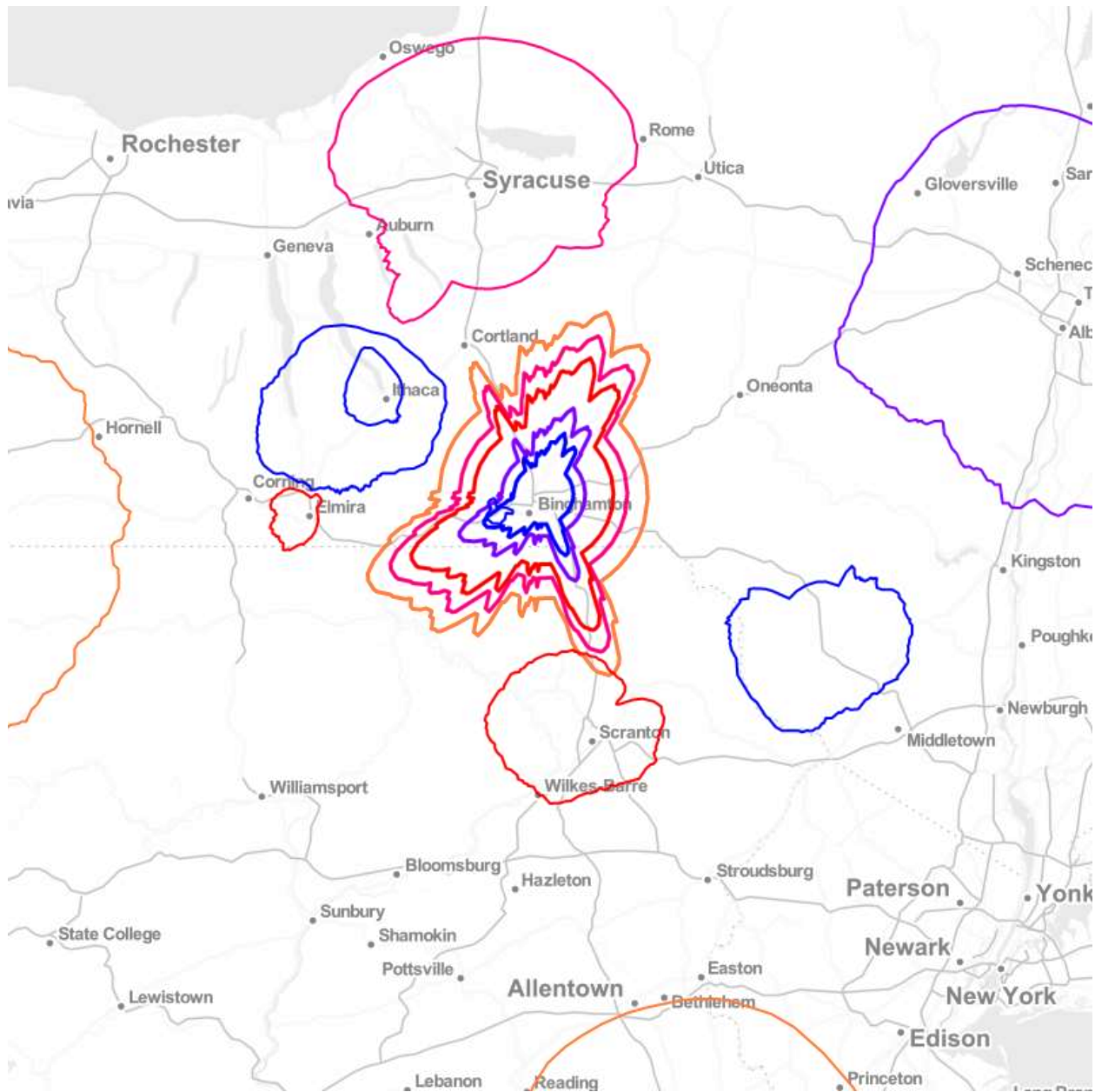
WQKA-LP (194152)

PULTENEY NY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
224	A	WENI-FM	SOUTH WAVERLY PA	61.3	58
225	B	WMGS	WILKES-BARRE PA	181.7	121
225	D	W225AR	ROCHESTER NY	77.7	44
225	B	WBUF	BUFFALO NY	150.8	121
226	D	W226BA	ELMIRA NY	51.6	30
226	B	WNTQ	SYRACUSE NY	102.4	99
226	D	W226AP	HORNELL NY	45.4	23

Overlap with WNTQ is over water (Seneca Lake).

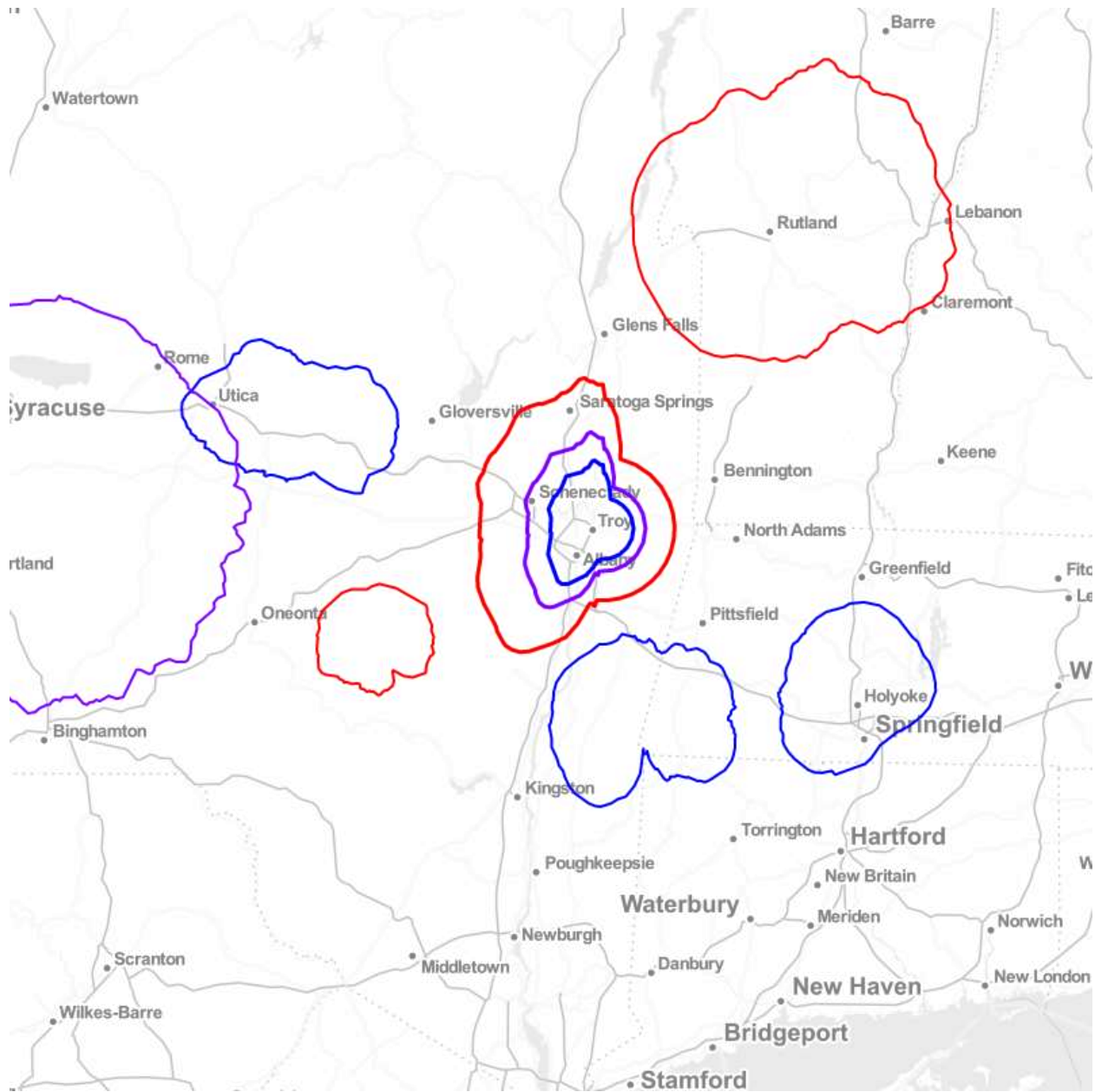


WLDM-LP (131507)

SANITARIA SPRINGS NY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
238	B	WYJB	ALBANY NY	162.2	99
238	D	W238CM	ENDICOTT, ETC. NY	17.2	17
238	A	WFIZ	ODESSA NY	71.6	58
239	B	WPIG	OLEAN NY	214.4	121
239	B	WBEN-FM	PHILADELPHIA PA	240.7	121
239	A	WBHD	OLYPHANT PA	80.6	72
239	B1	WAQX-FM	MANLIUS NY	96.6	93
239	D	W239BQ	ELMIRA NY	77	44
240	A	WVOS-FM	LIBERTY NY	104.8	58
240	D	W240CB	ITHACA NY	57.1	30

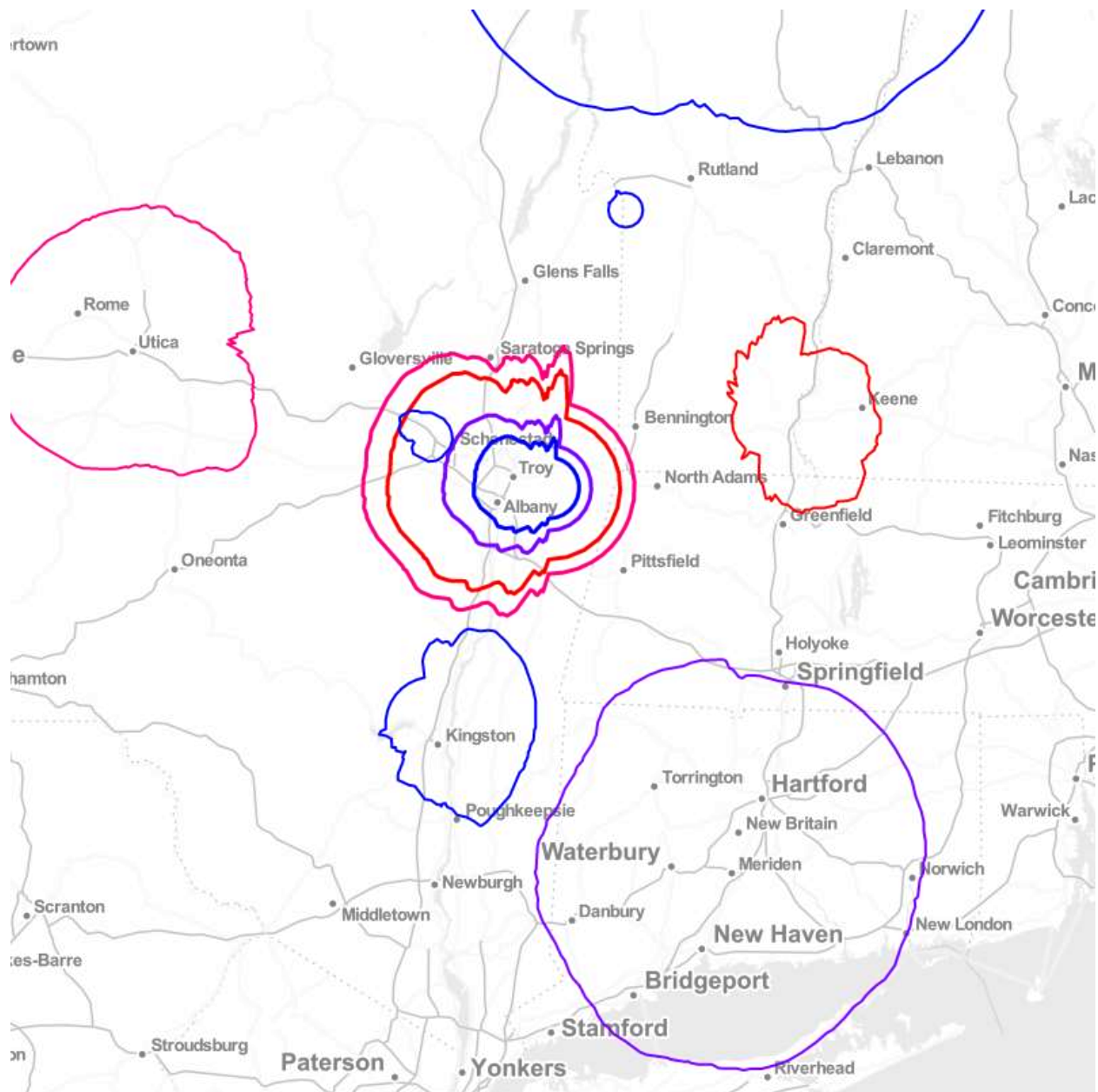


WOOC-LP (194800)

TROY NY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
286	B	WCIS-FM	DERUYTER NY	179.4	99
286	A	WAMQ	GREAT BARRINGTON MA	65.1	58
287	A	WGKR	GRAND GORGE NY	85.5	72
287	C2	WJEN	KILLINGTON VT	120.6	96
288	A	WWEI	EASTHAMPTON MA	98.7	58
288	A	WSKU	LITTLE FALLS NY	107.5	58

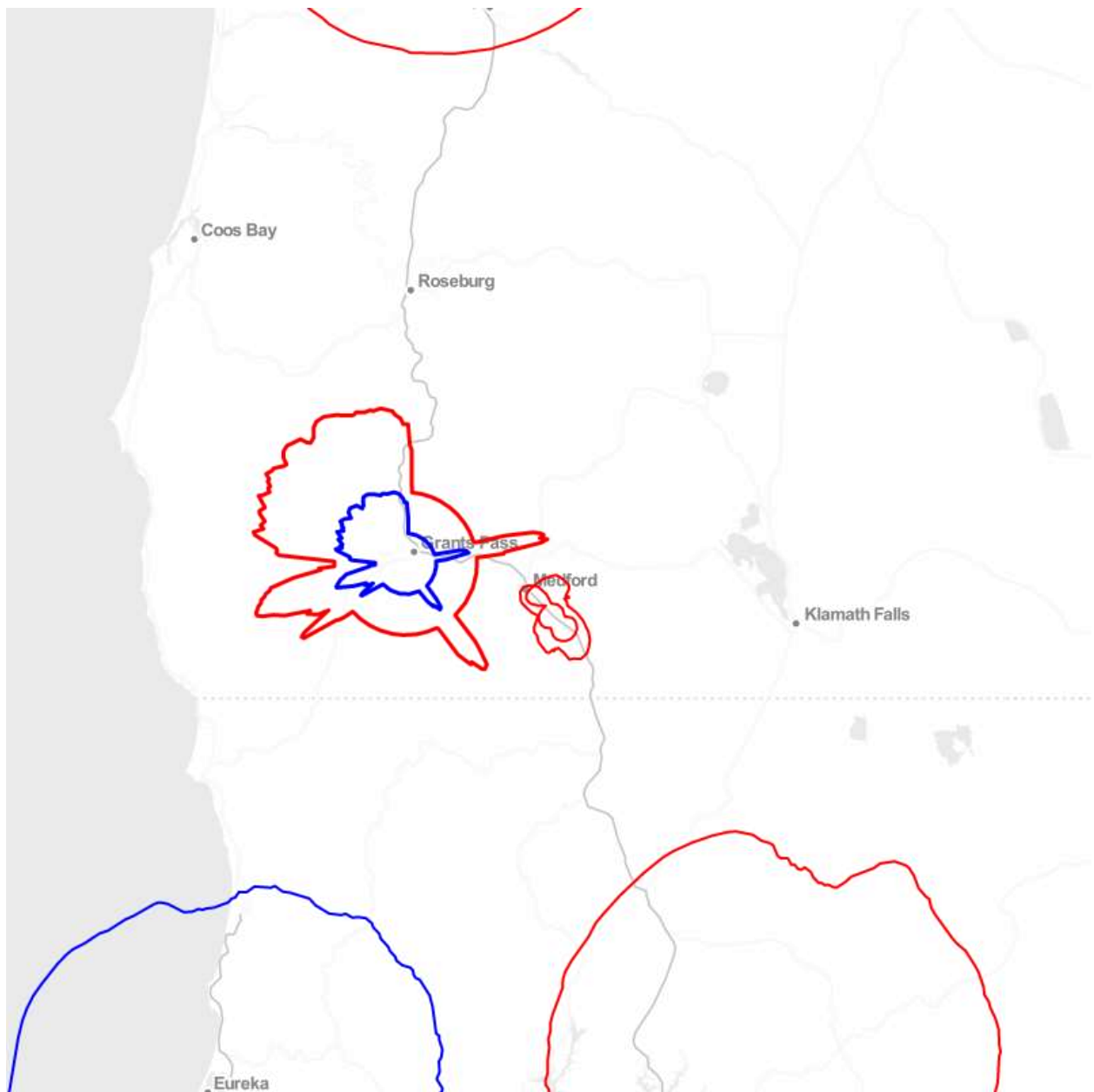


WOOG-LP (196489)

TROY NY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
223	B	WWYZ	WATERBURY CT	138.6	99
223	A	WDKM	POULTNEY VT	94.7	58
224	A	WKVT-FM	BRATTLEBORO VT	75.8	72
224	B1	WXUR	HERKIMER NY	142	93
225	C	WEZF	BURLINGTON VT	211.7	122
225	A	WBPM	SAUGERTIES NY	87.5	58
225	D	W225BM	SCOTIA NY	45.6	23

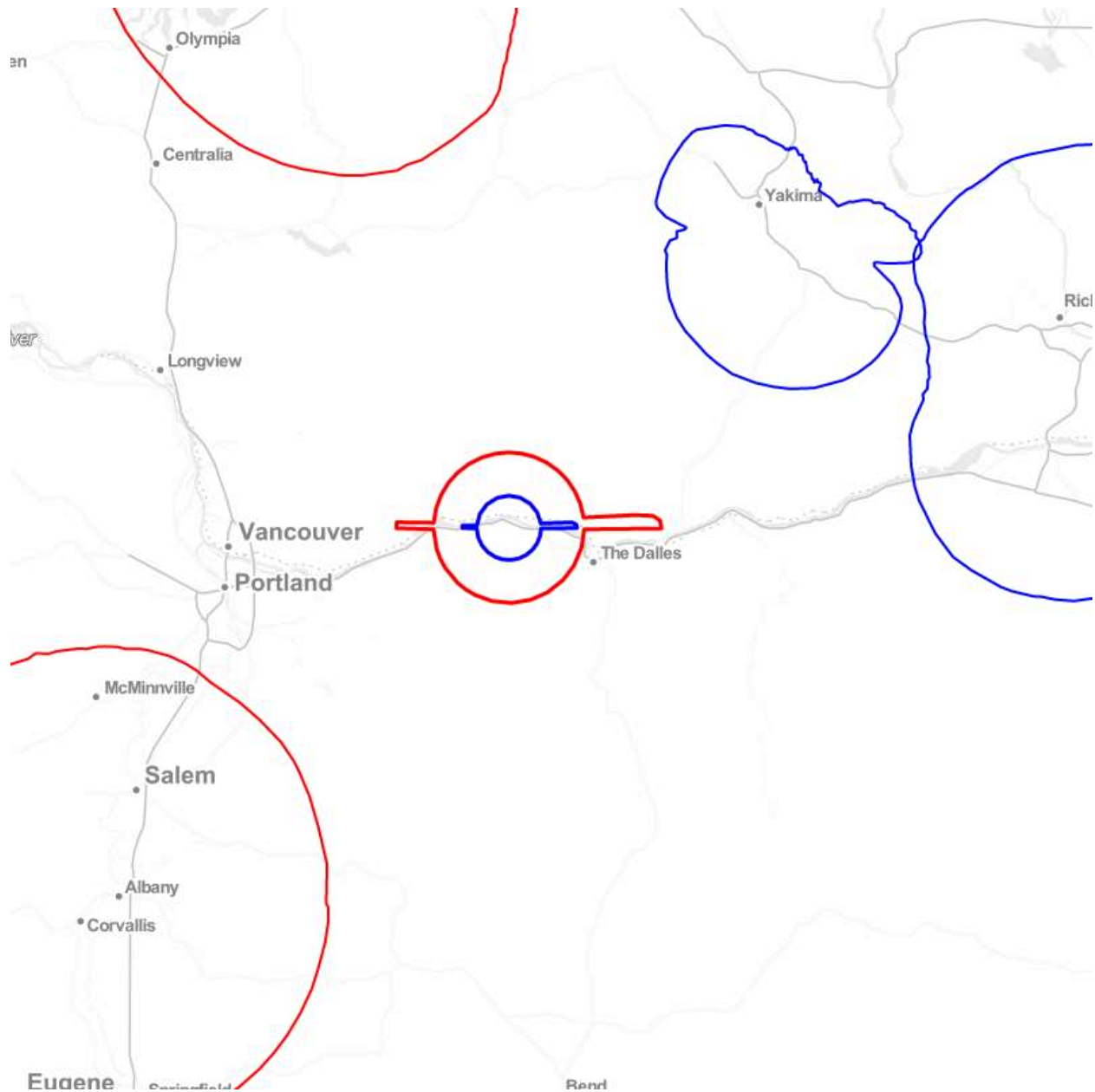


KJCR-LP (135682)

GRANTS PASS OR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
299	C1	KHSQ	TRINIDAD CA	193.1	102
300	C	KHPE	ALBANY OR	249.3	136
300	D	K300BE	ASHLAND OR	54.4	31
300	C1	KKLC	FALL RIVER MILLS CA	209.7	116
300	D	K300BE	ASHLAND OR	51.7	44



KAHG-LP (195536)

HOOD RIVER OR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
259	C3	KHHK	YAKIMA WA	130	69
260	C	KISW	SEATTLE WA	204.4	136
260	C0	KRKT-FM	ALBANY OR	180.1	127
261	C1	KQFO	PASCO WA	186	102

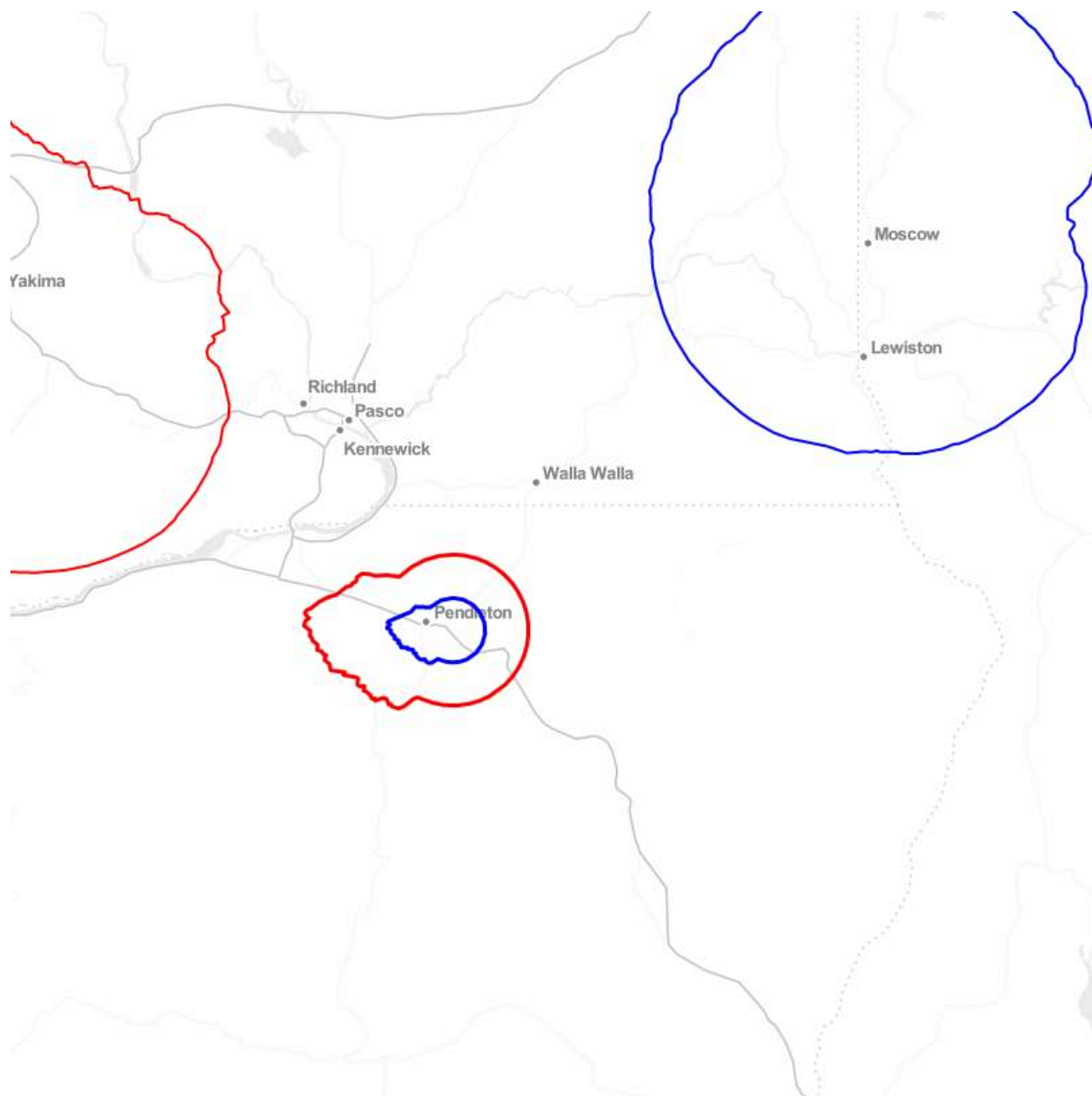


KIPCC-LP (196412)

PENDLETON OR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
295	D	K295AV	KENNEWICK WA	51.1	30
295	C	KMOK	LEWISTON ID	163.7	122
297	C	KFFM	YAKIMA WA	160	122



KCUW-LP (134558)

PENDLETON OR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
281	C1	KXDD	YAKIMA WA	164.4	116
282	C1	KHTR	PULLMAN WA	187.6	102

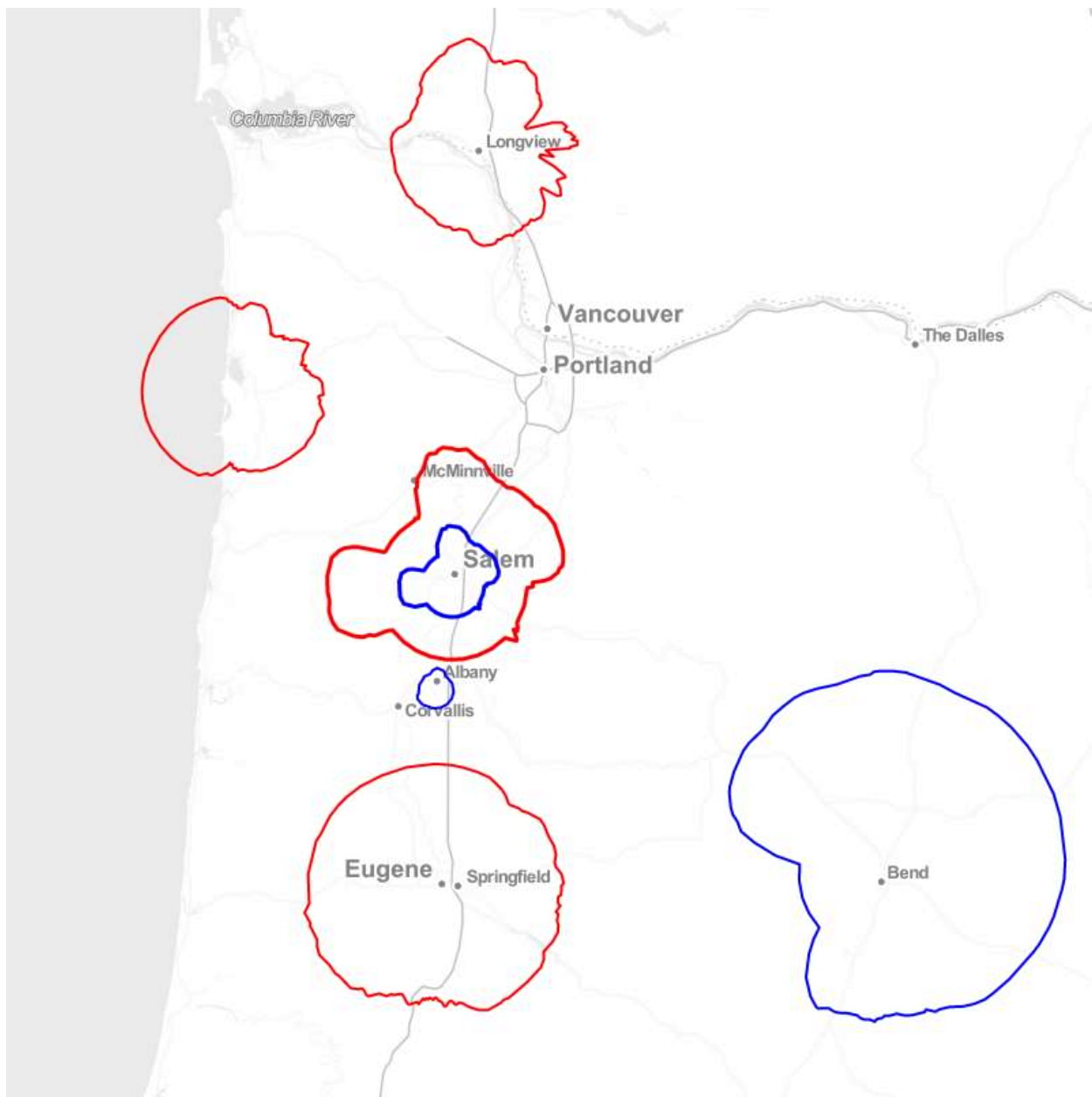


KUPO-LP (192107)

PORT ORFORD OR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
288	C1	KKHB	EUREKA CA	229.6	116

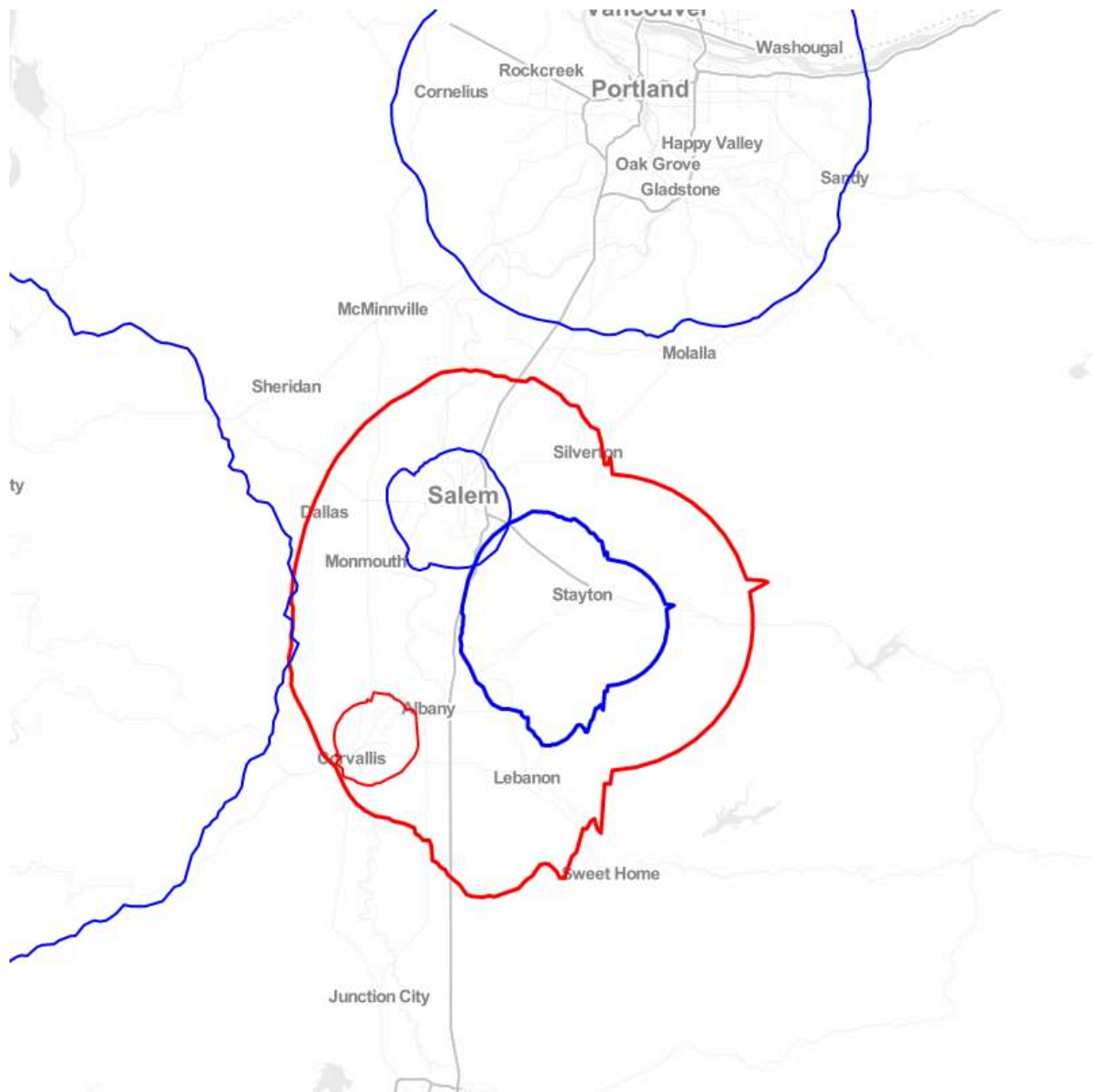


KSXM-LP (196439)

SALEM OR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
287	L1	KHJJ-LP	ALBANY OR	33.9	17
288	C3	KEUG	VENETA OR	101.1	83
288	A	KDEP	GARIBALDI OR	92.4	72
288	A	KUKN	LONGVIEW WA	139.9	72
289	C1	KQAK	BEND OR	164.8	102



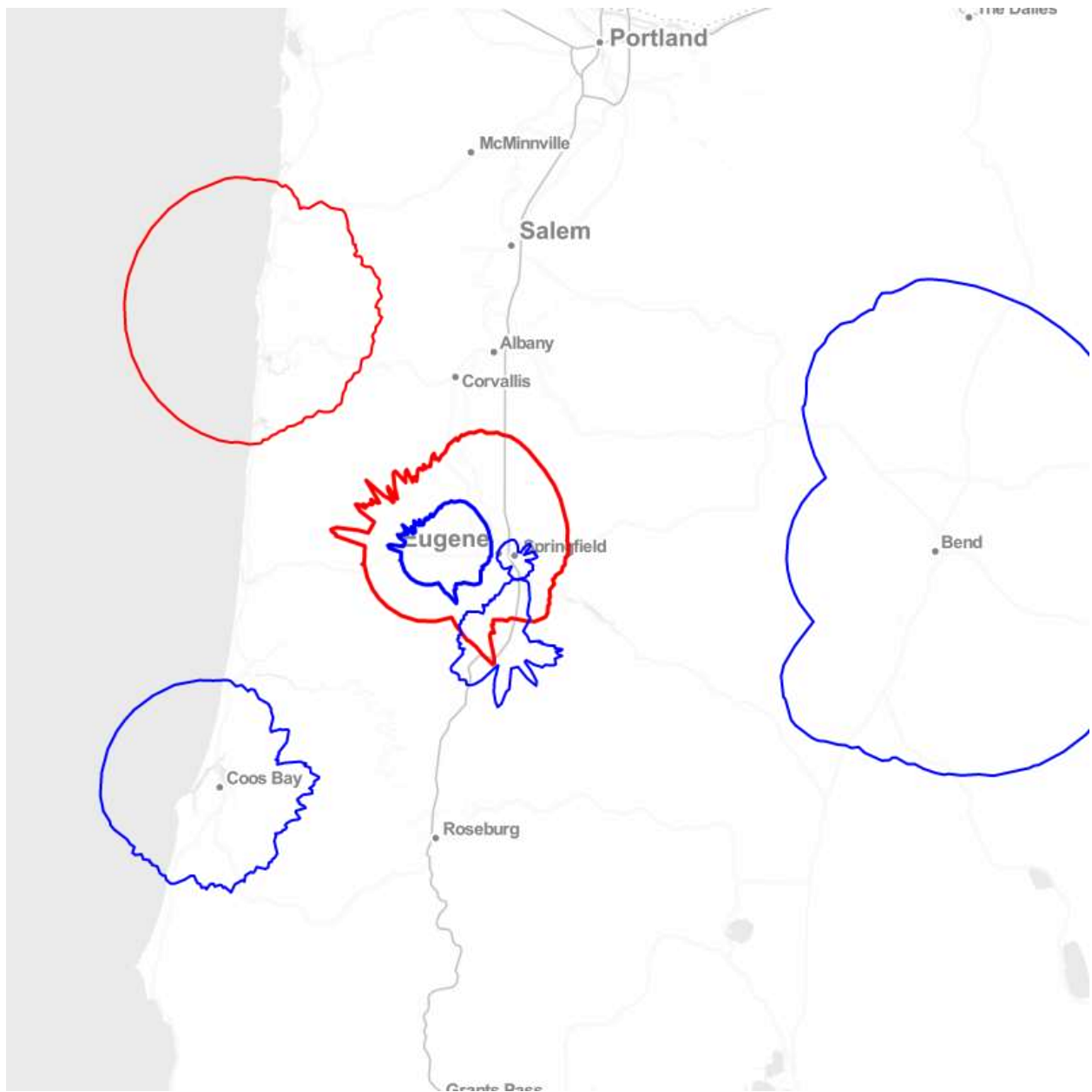
KPIK-LP (133093)

STAYTON OR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
242	C3	KKWA	WEST LINN OR	81.2	69
243	C2	KJIV	MADRAS OR	146.8	96
243	D	K243CW	CORVALLIS OR	42.1	31
244	C1	KCRF-FM	LINCOLN CITY OR	103.1	102
244	D	K244FG	SALEM OR	31.5	30

Longley/Rice shows a 0.18 sq km portion of the overlap with FM Translator K244FG will receive at least a 54 dB field strength with a population of 31. No interference to full-service FM stations.

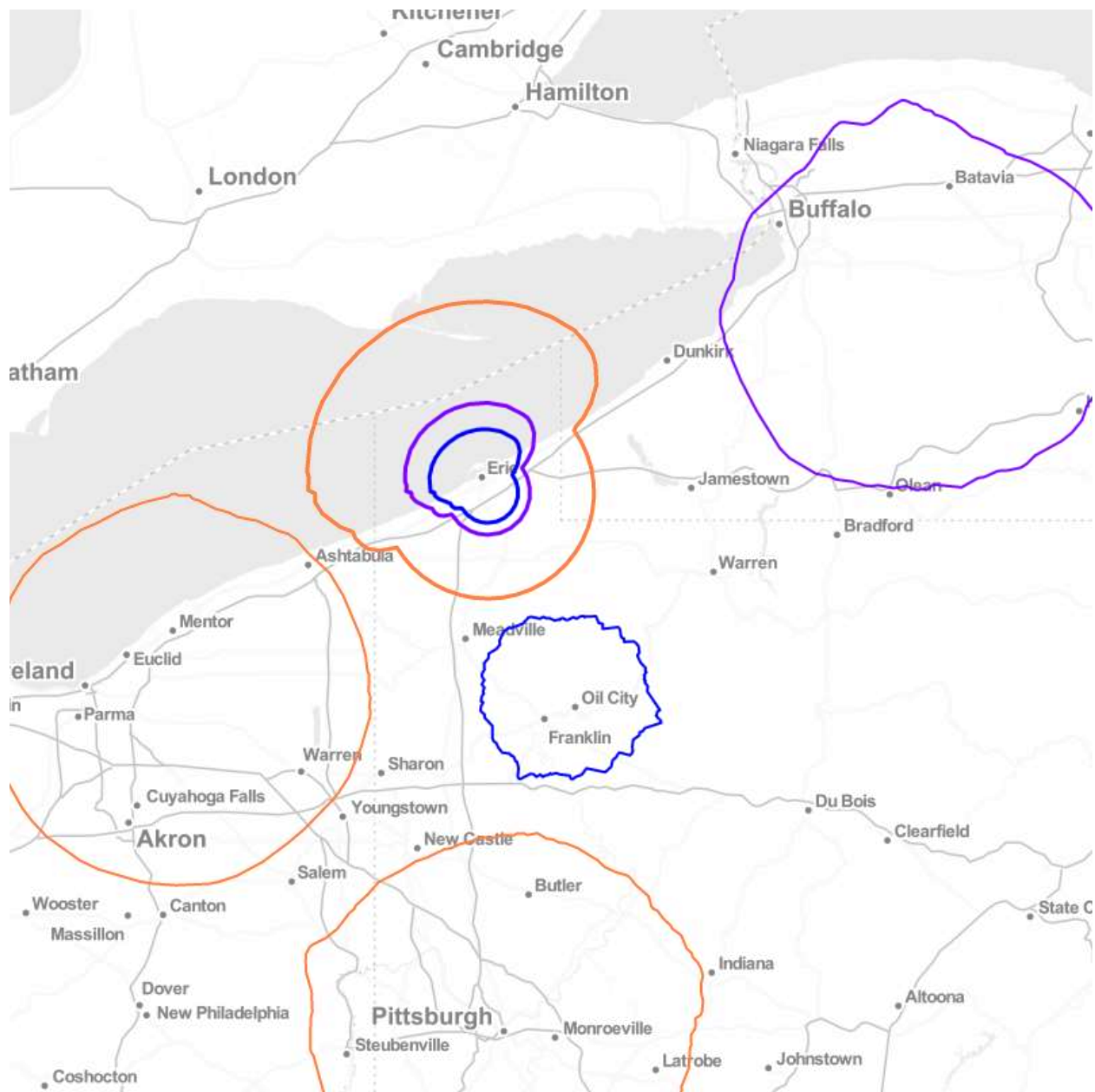


KOCF-LP (192870)

VENETA OR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
223	L1	KGEL-LP	JASPER OR	29.1	17
224	C3	KNCU	NEWPORT OR	96.1	83
225	C3	KDCQ	COOS BAY OR	103.9	69
225	D	K225BE	COTTAGE GROVE OR	39.4	30
225	C0	KRXF	BEND OR	147.4	114

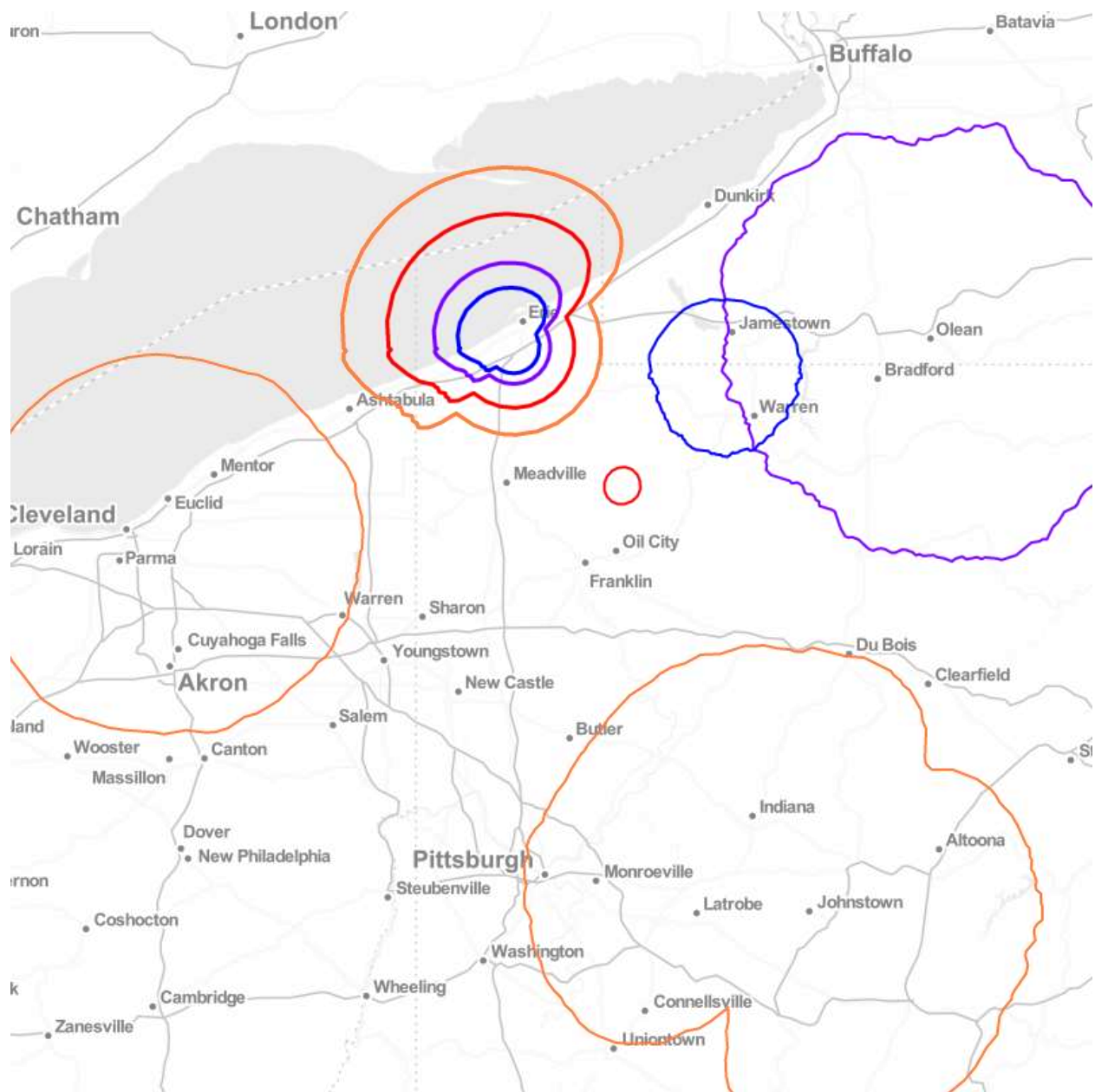


WBTB-LP (192324)

ERIE PA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
299	B	WLKK	WETHERSFIELD TWNHP NY	157.9	99
299	A	WRQW	COOPERSTOWN PA	71.2	58
300	B	WDSY-FM	PITTSBURGH PA	179	121
300	B	WENZ	CLEVELAND OH	122.9	121

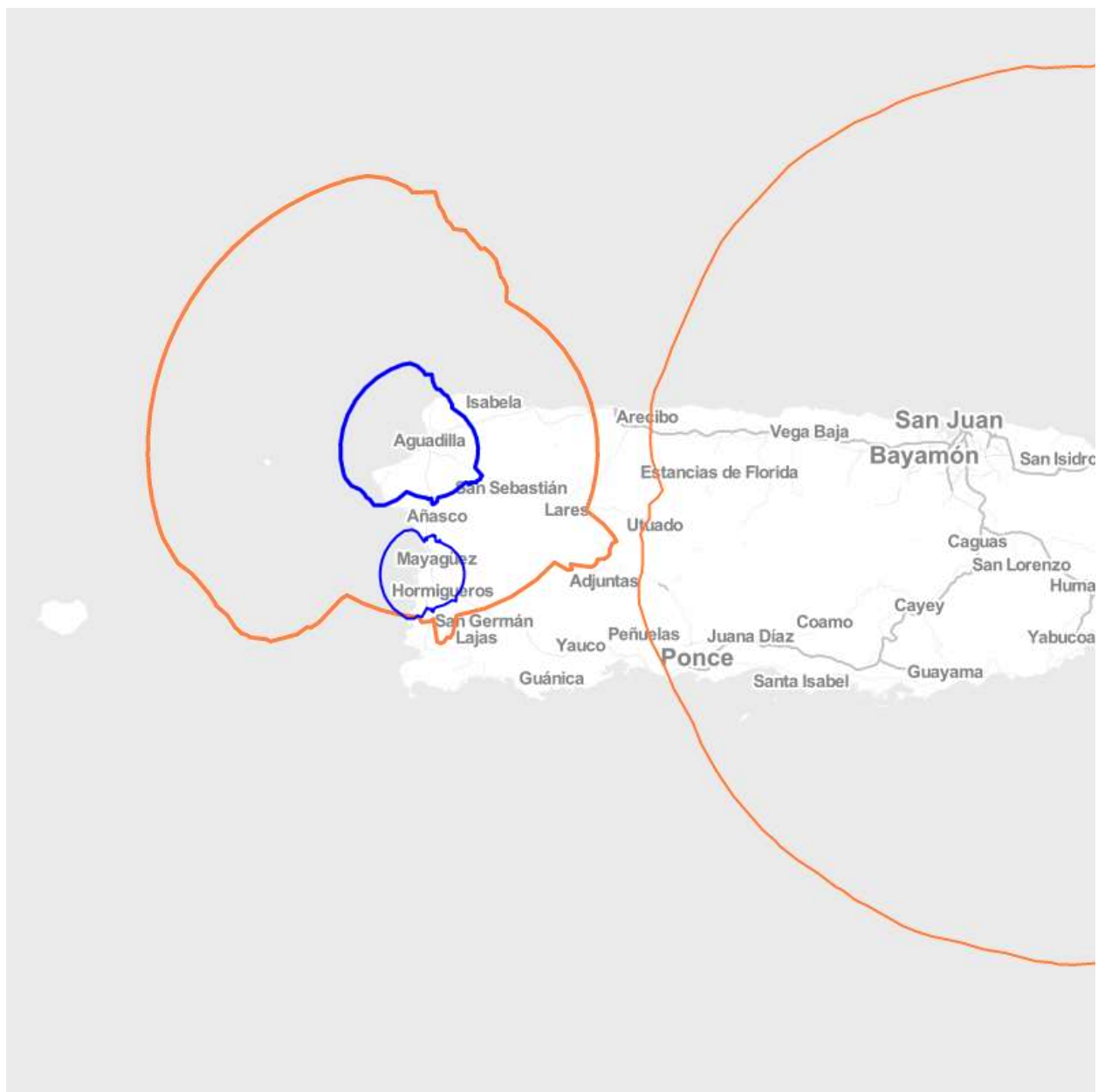


WUTT-LP (192991)

ERIE PA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
237	A	WLKW	CELORON NY	71.5	58
238	B	WFGI-FM	JOHNSTOWN PA	209.6	121
238	D	W238BD	TITUSVILLE PA	60.3	31
238	B	WFHM-FM	CLEVELAND OH	132.3	121
239	B	WPIG	OLEAN NY	138.9	99

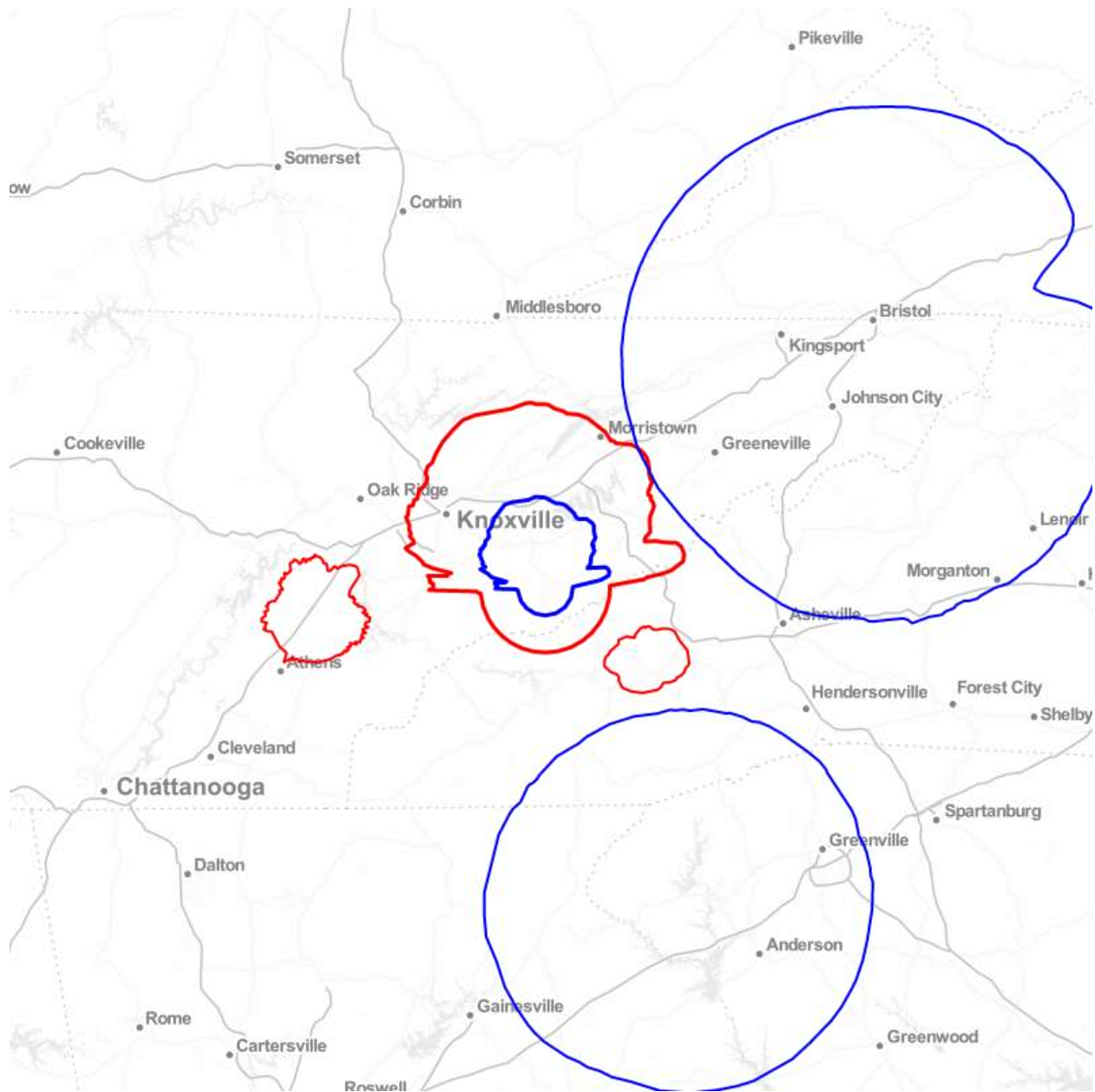


WMAA-LP (193601)

MOCA PR

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
228	D	W228EF	MAYAGUEZ PR	26.3	17
229	B	WZNT	SAN JUAN PR	138	121

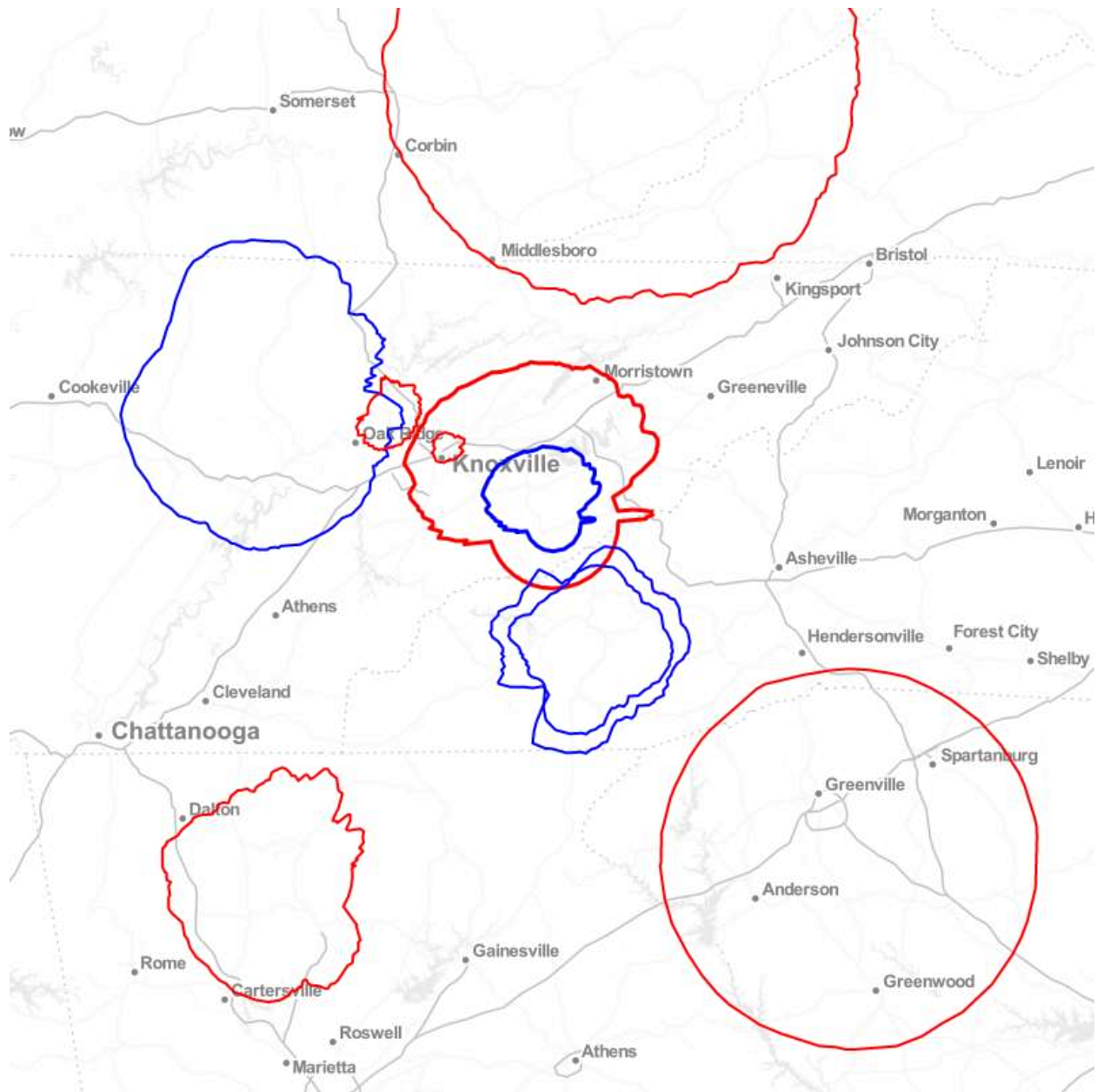


WJQJ-LP (195270)

GATLINBURG TN

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
251	C0	WHZT	WILLIAMSTON SC	124.2	114
252	D	W252DN	BALSAM NC	47	44
252	A	WMTY-FM	SWEETWATER TN	85.9	72
253	C	WTFM	KINGSPORT TN	147.5	122



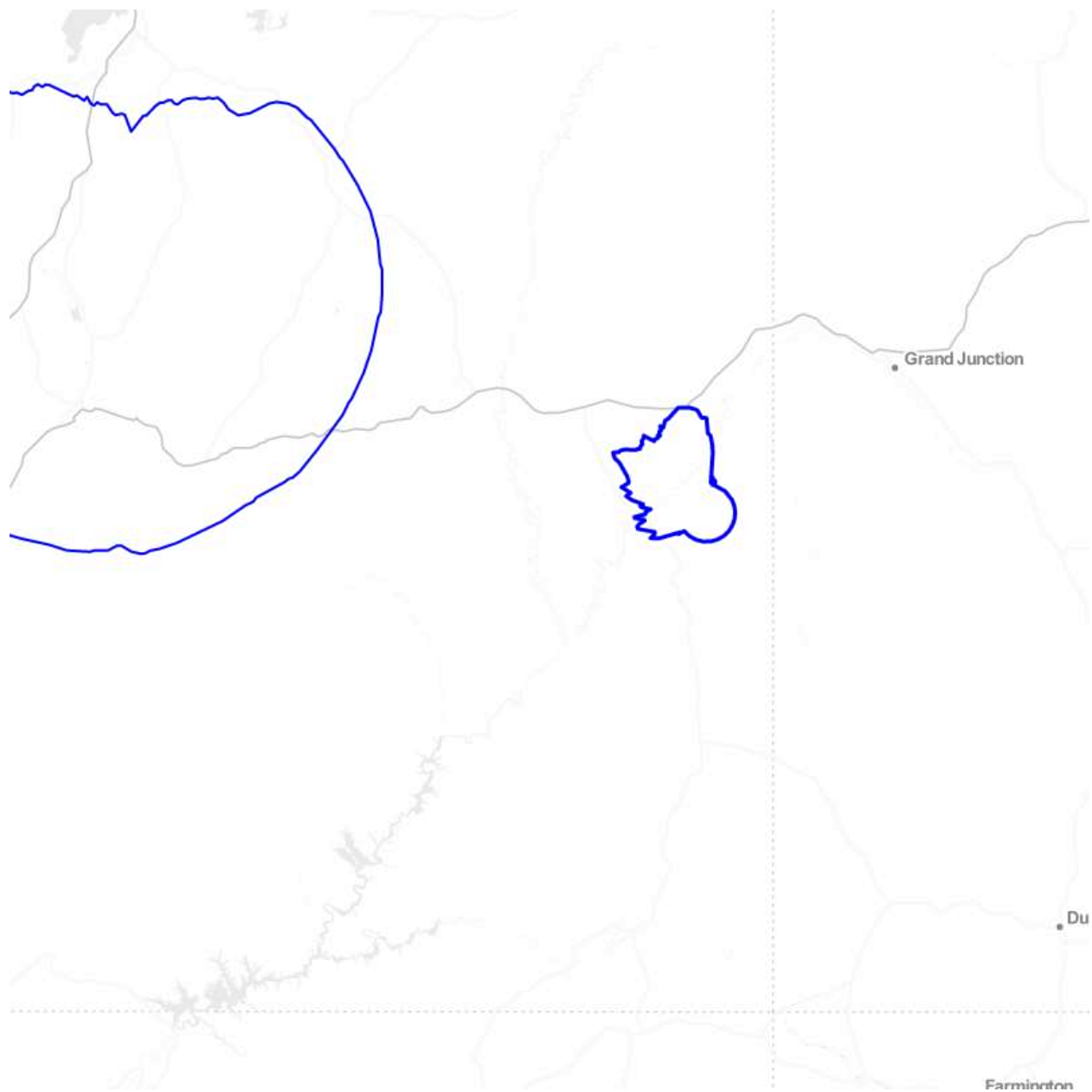
WJFS-LP (195104)

GATLINBURG TN

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
266	L1	WIAM-LP	KNOXVILLE TN	49	31
266	D	W266AM	OAK RIDGE TN	73.2	37
266	C1	WROQ	ANDERSON SC	163.5	116
266	C	WSGS	HAZARD KY	162.8	136
266	C3	WLJA-FM	ELLIJAY GA	160.9	83
267	D	W267AD	CHEROKEE NC	47.9	30
267	C2	WECO-FM	WARTBURG TN	115.4	82
267	D	W267AD	CHEROKEE NC	47.9	30

Overlap only with WIAM-LP. No overlap with any full-service FM or FM Translator facility.

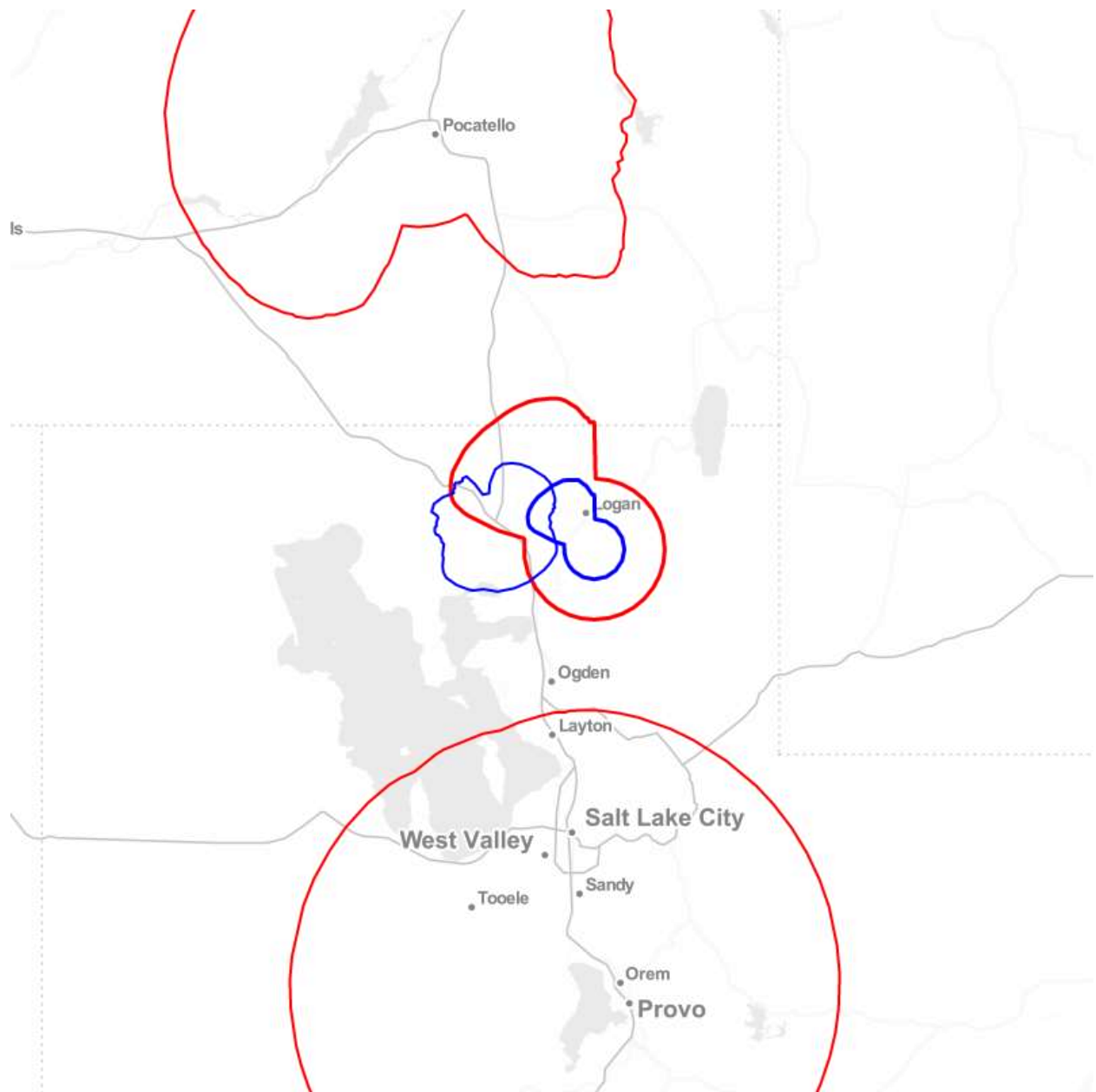


KCVD-LP (197599)

CASTLE VALLEY UT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
233	C	KLGL	SALINA UT	227	122



KVWJ-LP (192651)

HYRUM UT

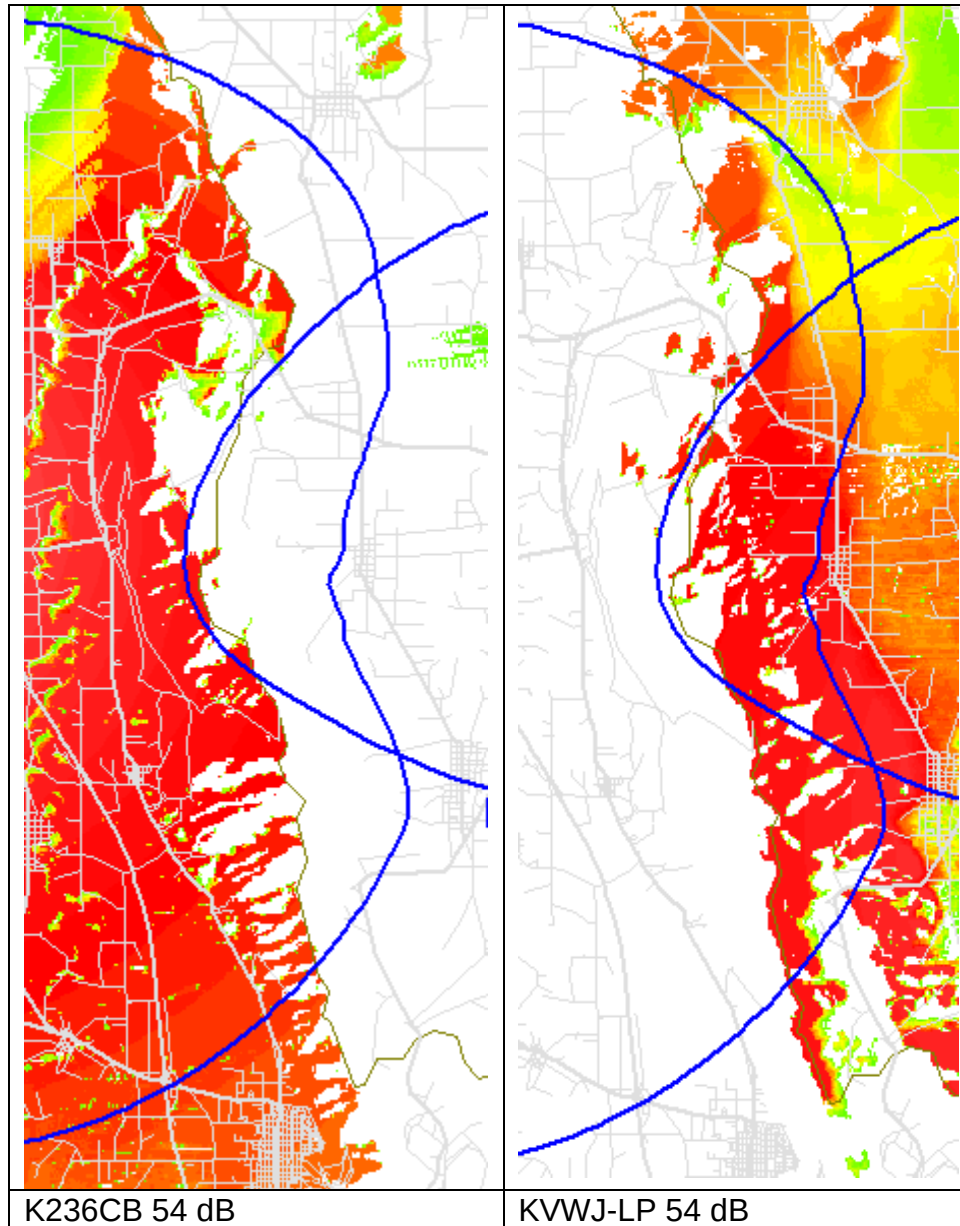
Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
235	C	KENZ	PROVO UT	149.6	136
235	C	KPKY	POCATELLO ID	150.7	136
236	D	K236CB	TREMONTON UT	38.1	30

See next page...

KVWJ-LP is first-adjacent overlapped with super-power FM Translator K236CB.

Despite the overlap, both stations are completely blocked from each other's areas due to the mountain range that includes Box Elder Peak. This results in two unique service areas:





KBLU-LP (194269)

LOGAN UT

Facilities considered:

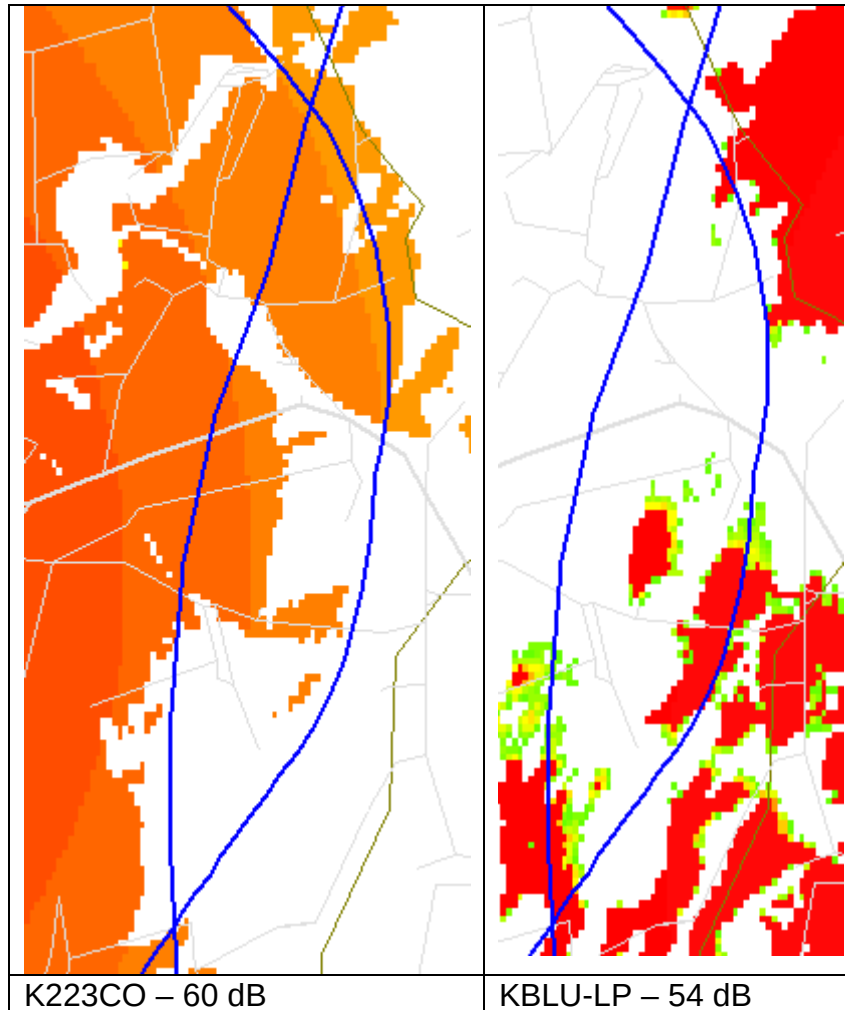
Channel	Class	Call	Location	Distance	LP250 Dist Req
221	C2	KIDG	POCATELLO ID	138.3	82
221	D	K221FA	BRIGHAM CITY UT	31.7	17
223	D	K223CO	TREMONTON UT	35.1	30
223	C1	KUUU	SOUTH JORDAN UT	125.1	102

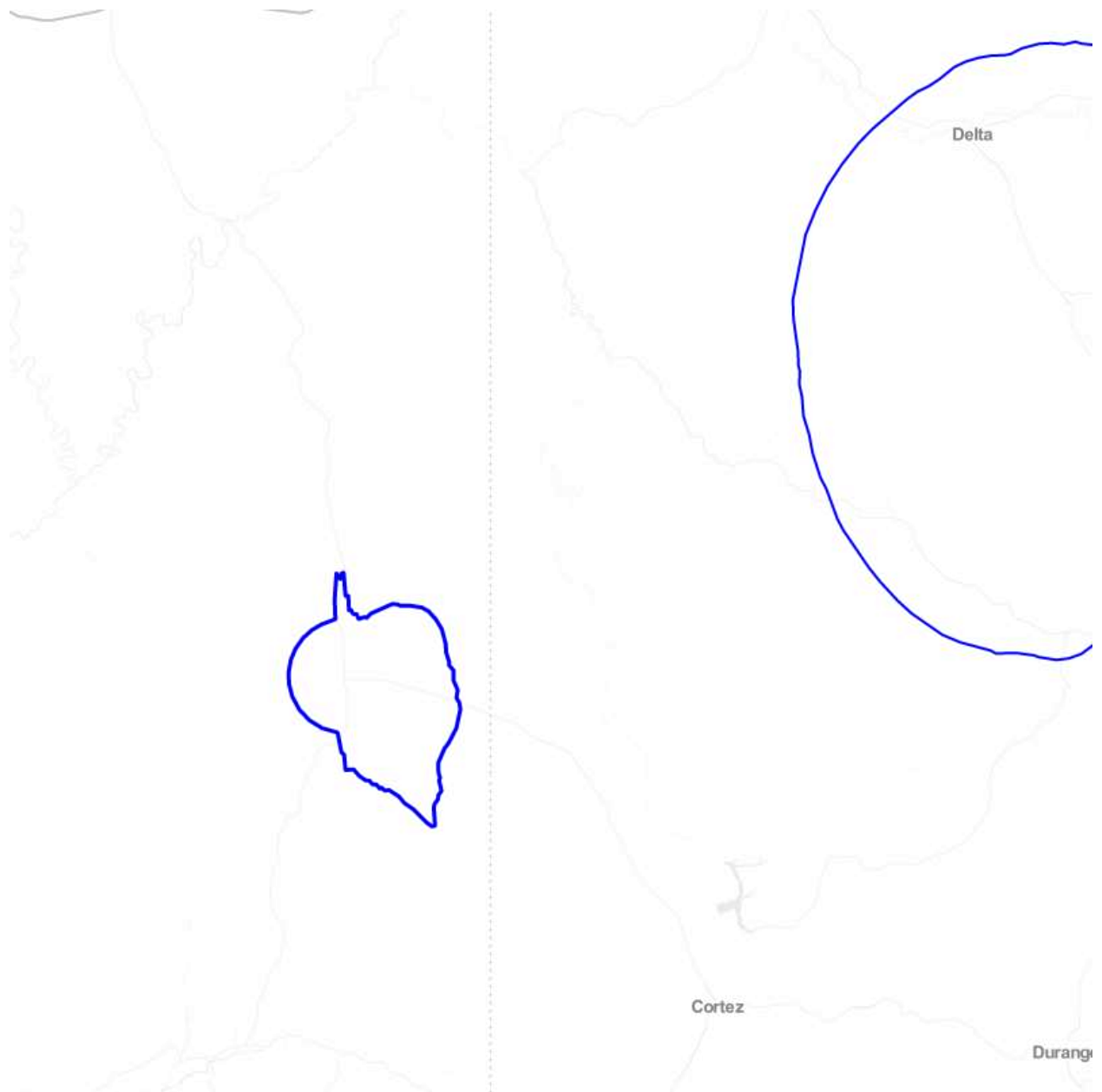
See next page...

KBLU-LP has overlap with FM Translator K223CO.

The two stations are separated by the mountain range that includes Box Elder Peak.

This intervening terrain shields both stations and gives each of them a unique service area.



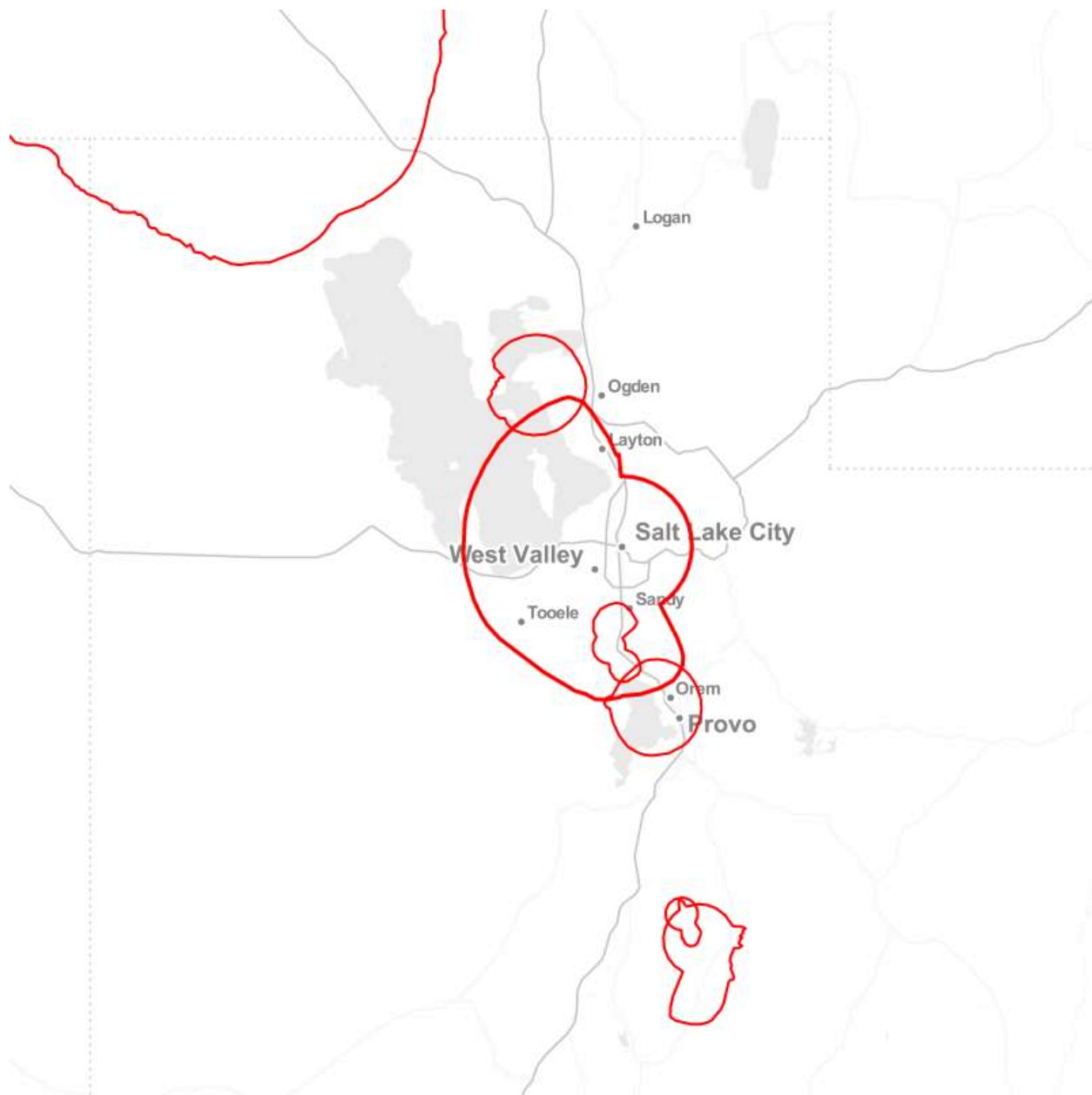


KAAJ-LP (123728)

MONTICELLO UT

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
279	C2	KSNN	RIDGWAY CO	156.5	82



KUAA-LP (195081)

SALT LAKE CITY UT

Facilities considered:

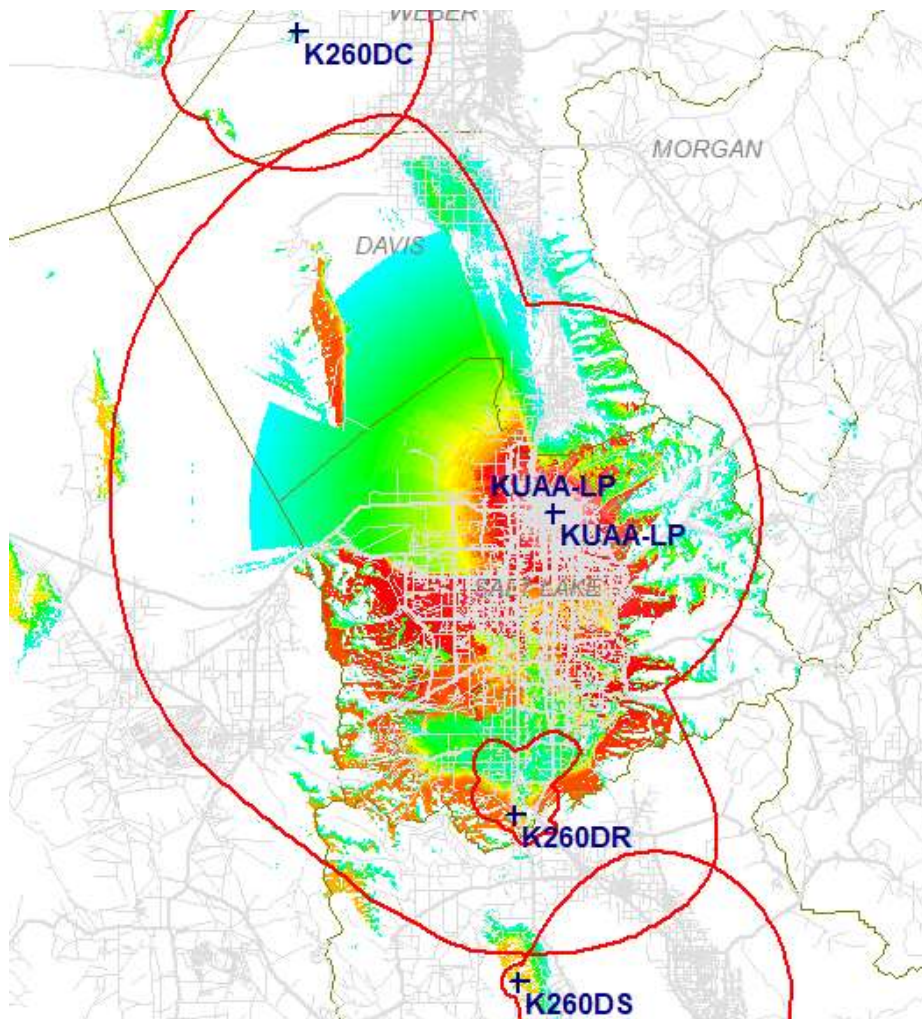
Channel	Class	Call	Location	Distance	LP250 Dist Req
260	D	K260DS	PROVO UT	53.5	44
260	D	K260DR	BLUFFDALE UT	34.8	31
260	C	KZDX	BURLEY ID	225.7	136
260	A	KPVO	FOUNTAIN GREEN UT	137.8	72
260	A	KPVO	FOUNTAIN GREEN UT	127.8	72
260	D	K260DC	NORTH SALT LAKE UT	62	44

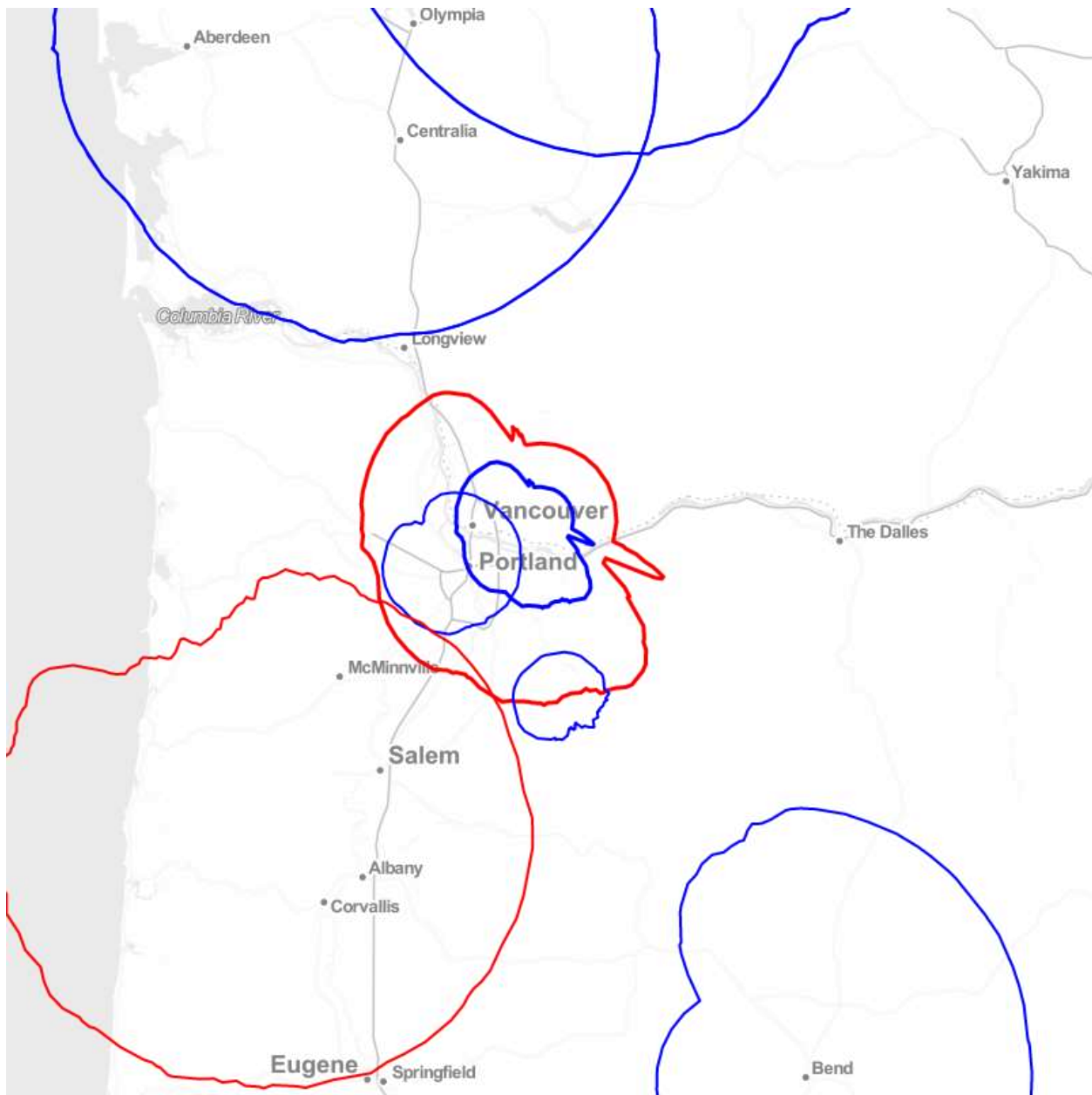
See next page...

KUAA-LP overlaps with unbuilt translator K260DR. As a LP250, it will also have overlap with K260DS and K260DC.

Longley/Rice prediction data shows that as an LP250, 40 dB field strength will not reach any point in the overlap with K260DC and will only reach the areas of the overlap with K260DS on the side of the mountain where there is no population.

The overlap with K260DR after a previous modification filed by KUAA-LP. This overlap would continue as an LP250 facility. This is an overlap situation that would have happened regardless of whether LP250 is adopted. This is a good demonstration on why LPFM to translator protections should be by contours instead of distance separation.





KIEV-LP (196496)

CAMAS WA

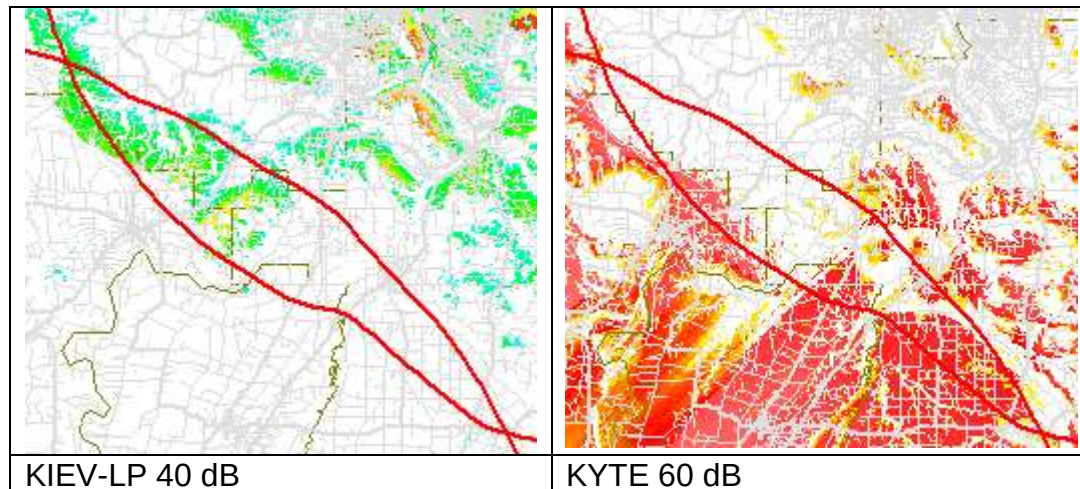
Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
273	D	K273AJ	ELWOOD OR	58.8	30
273	C	KZOK-FM	SEATTLE WA	207.9	122
273	C	KZOK-FM	SEATTLE WA	207.9	122
274	C0	KYTE	INDEPENDENCE OR	131.9	127
275	C	KZTM	MCKENNA WA	157.7	122
275	D	K275CH	GRESHAM OR	31.9	30
275	C1	KSJJ	REDMOND OR	191.2	102
275	C	KZTM	CENTRALIA WA	157.7	122

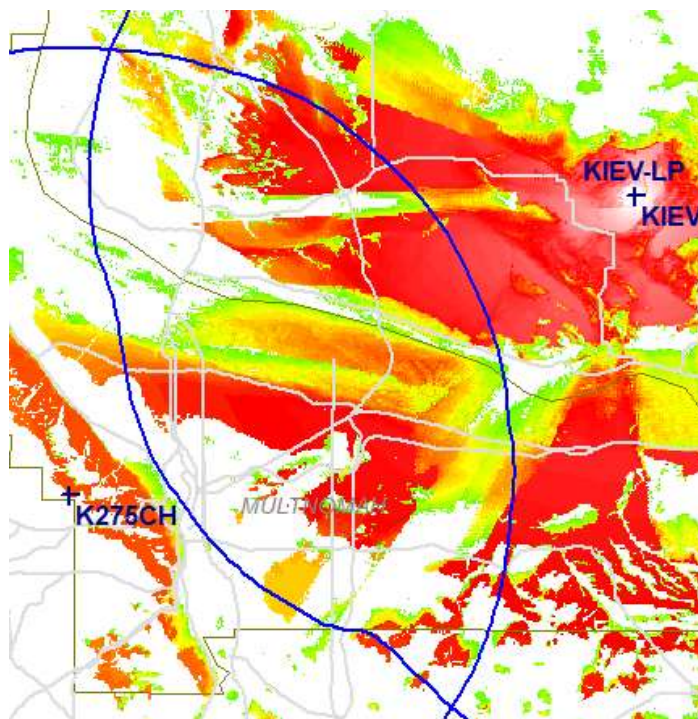
See next page...

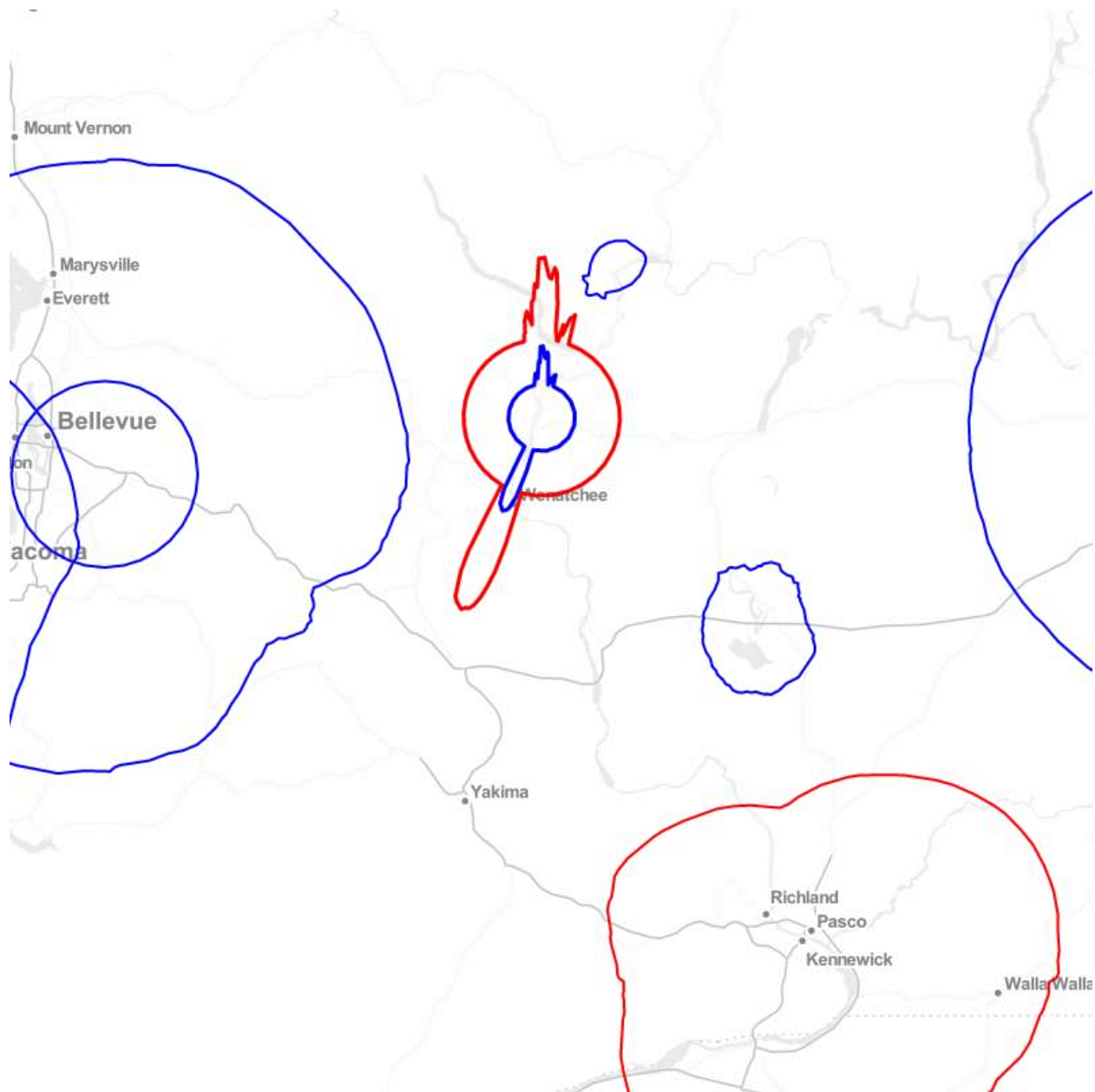
KIEV-LP overlaps super-power FM Translator K275CH on first-adjacent channel and KYTE on co-channel.

In the case of KYTE, there is intervening terrain in the overlap zone. As a result, the areas where KIEV-LP places a 40 dB field strength based on Longley/Rice is distinctly different than the area where KYTE places a 60 dB field strength.



Because of the super power nature of K275CH and the Foothill Effect nature of KIEV-LP, we agree that there would be considerable first-adjacent channel interference between these two facilities with KIEV-LP at LP250 level. We note that K275CH was authorized at their current facility prior to KIEV-LP. This is exactly a case where we would need to have a remediation rule for LP100 to LP250 upgrades.



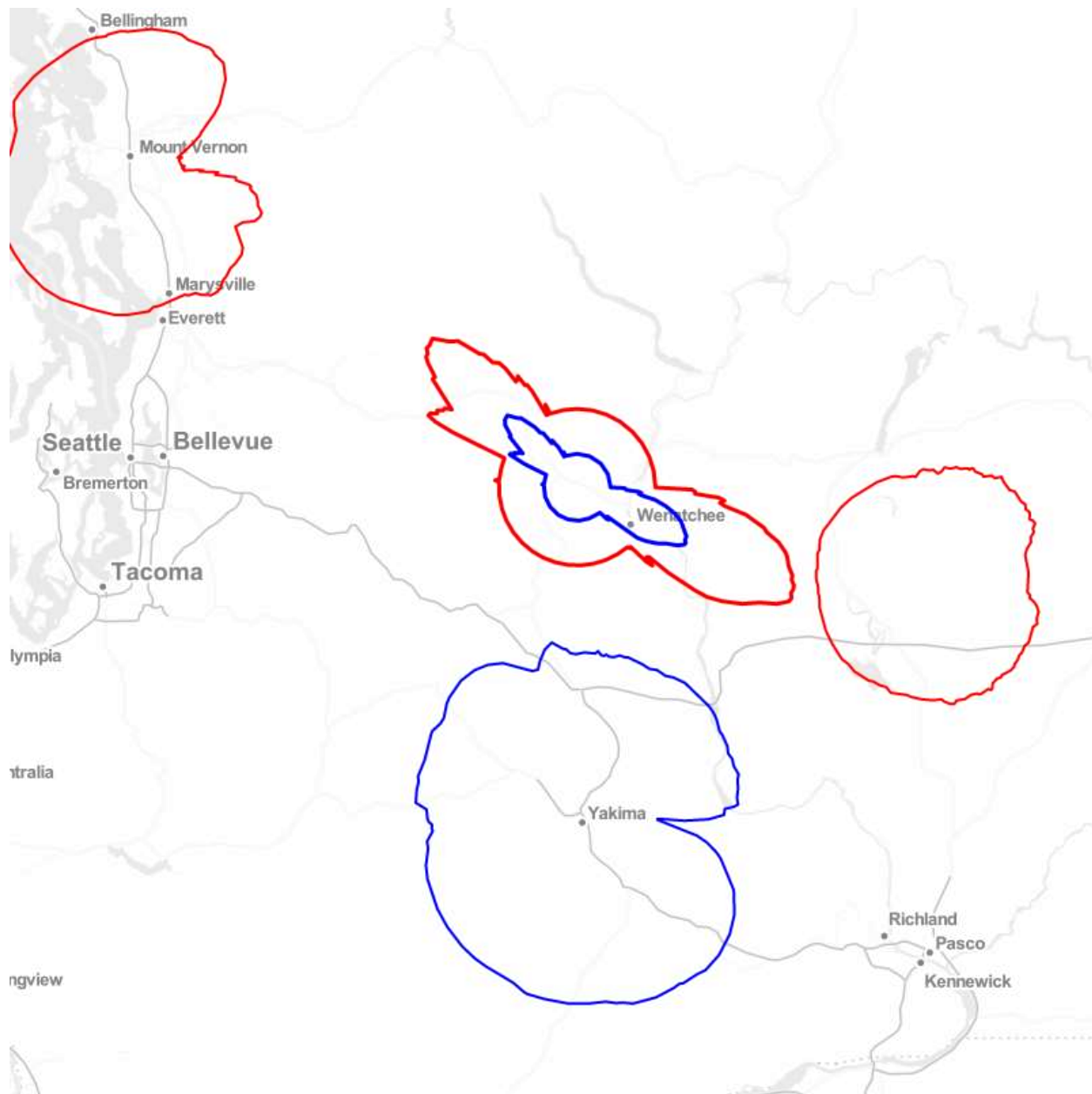


KORE-LP (192799)

ENTIAT WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
255	C	KNUC	SEATTLE WA	134.6	122
255	C	KKZX	SPOKANE WA	217.9	122
255	C	KNUC	SEATTLE WA	134.6	122
256	C1	KUJ-FM	BURBANK WA	191.6	116
257	C	KDDS-FM	ELMA WA	242.5	122
257	A	KDRM	MOSES LAKE WA	92.1	58
257	D	K257DN	BREWSTER WA	42.6	30

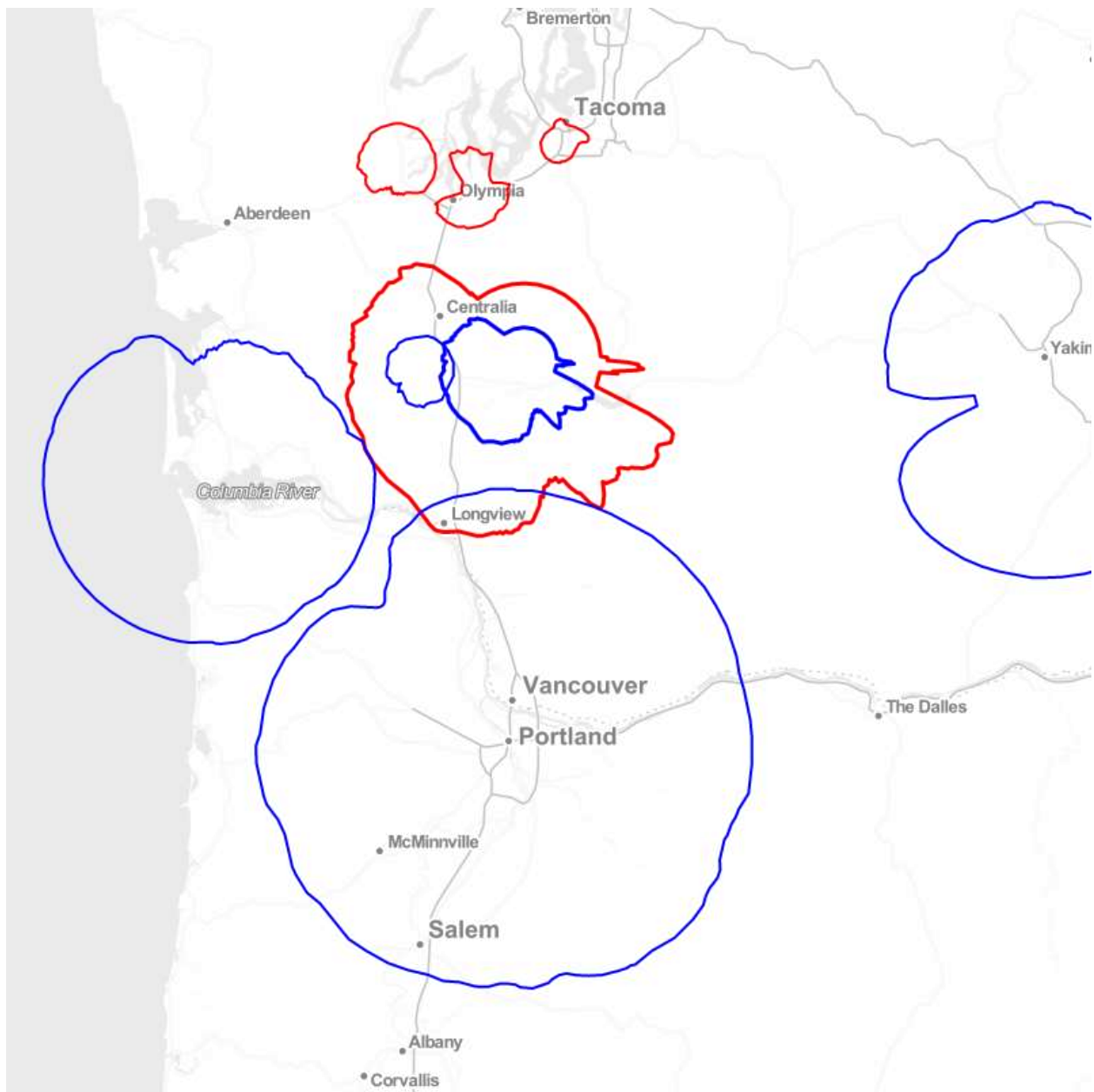


KUVB-LP (194327)

LEAVENWORTH WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
276	C2	KYKV	SELAH WA	98.8	82
277	C3	KZNW	OAK HARBOR WA	160.2	83
277	C3	KWLN	WILSON CREEK WA	118.4	83



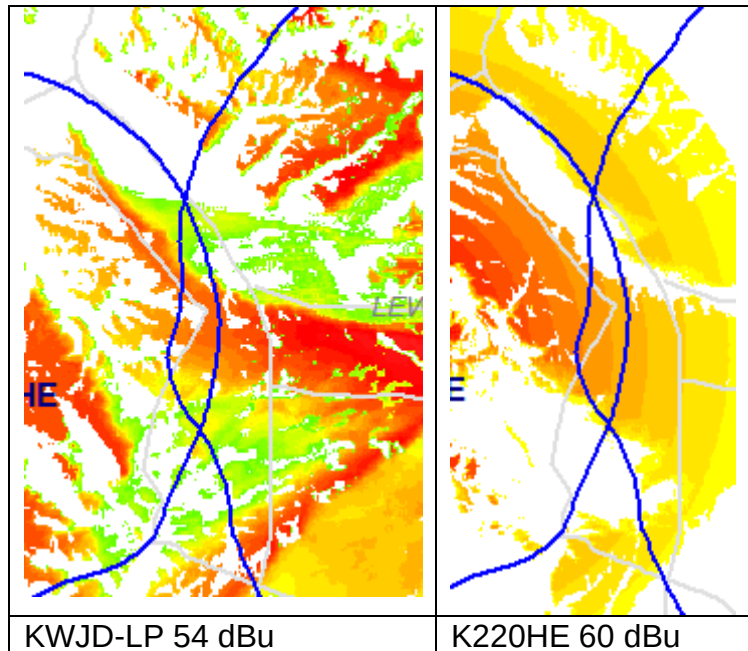
KWJD-LP (135319)

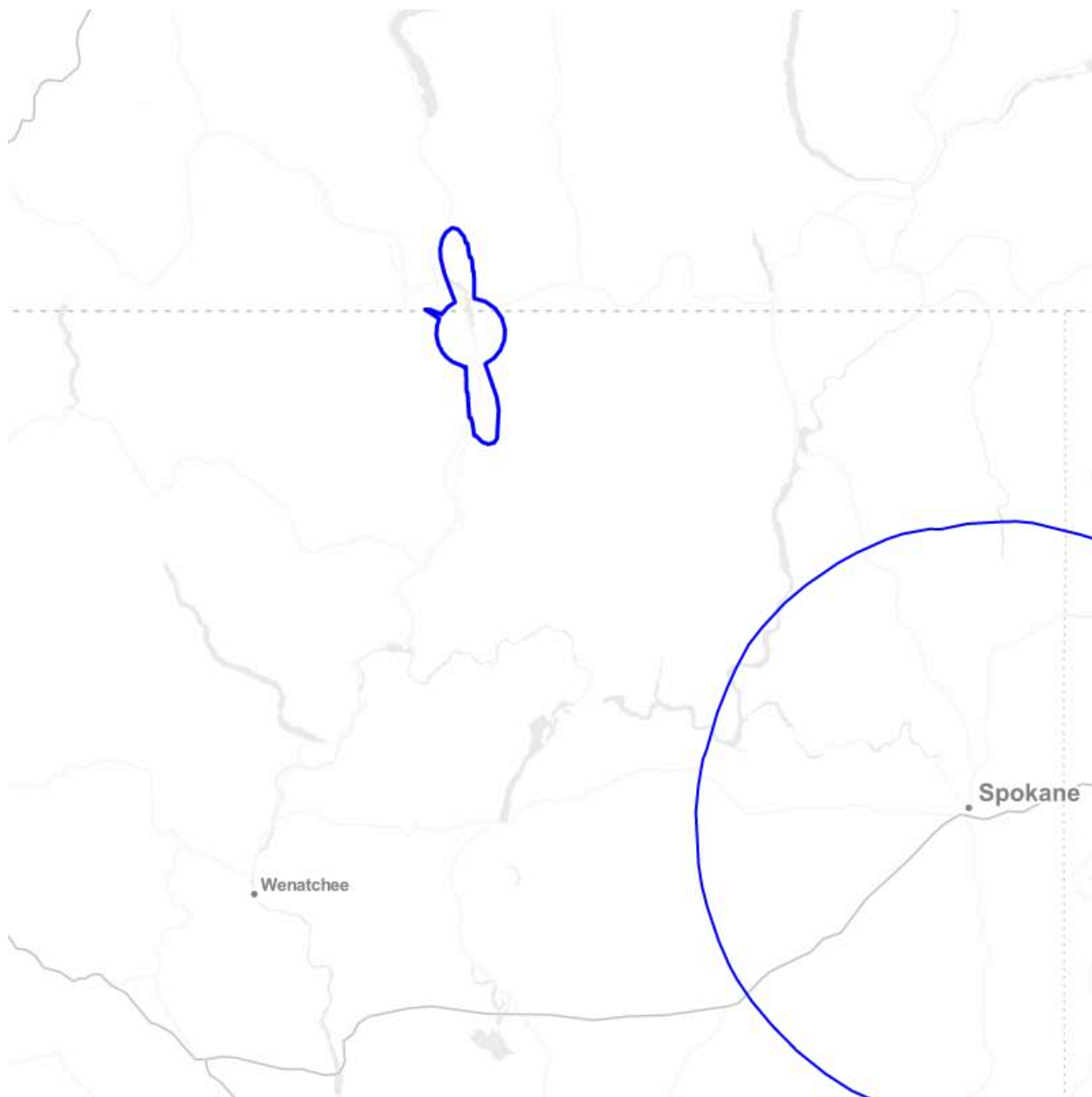
ONALASKA WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
220	C1	KDNA	YAKIMA WA	160.8	102
220	C2	KMUN	ASTORIA OR	104.5	82
220	D	K220HE	CHEHALIS WA	34.3	23
221	D	K221GR	LACEY WA	54.6	37
221	D	K221FJ	TACOMA WA	73	37
221	D	K221DV	KAMILCHE WA	72.7	37
222	C	KGON	PORTLAND OR	123	122

KWJD-LP is overlapped with non-fill in translator K220HE. This is another case where a remediation rule could prevent an upgrade.





KGTC-LP (134798)

OROVILLE WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
225	C	KZZU-FM	SPOKANE WA	217.7	122

Note: This may be an FCC database error due to serious variations of the elevation of the site based on different data sources. SRTM2 (used by Google) has site elevation at 283m, GLOBE30 is at 309m, NED1 at 651.72m and NED13 at 1357.66m. If SRTM2 or GLOBE 30 data is used, this is not a Foothill Effect station. Based on data used, an upgrade to LP250 may not be allowed due to the Canada Agreement. No matter what, it does not overlap any other domestic facilities and meets distance separation to Canada facilities at LP250.



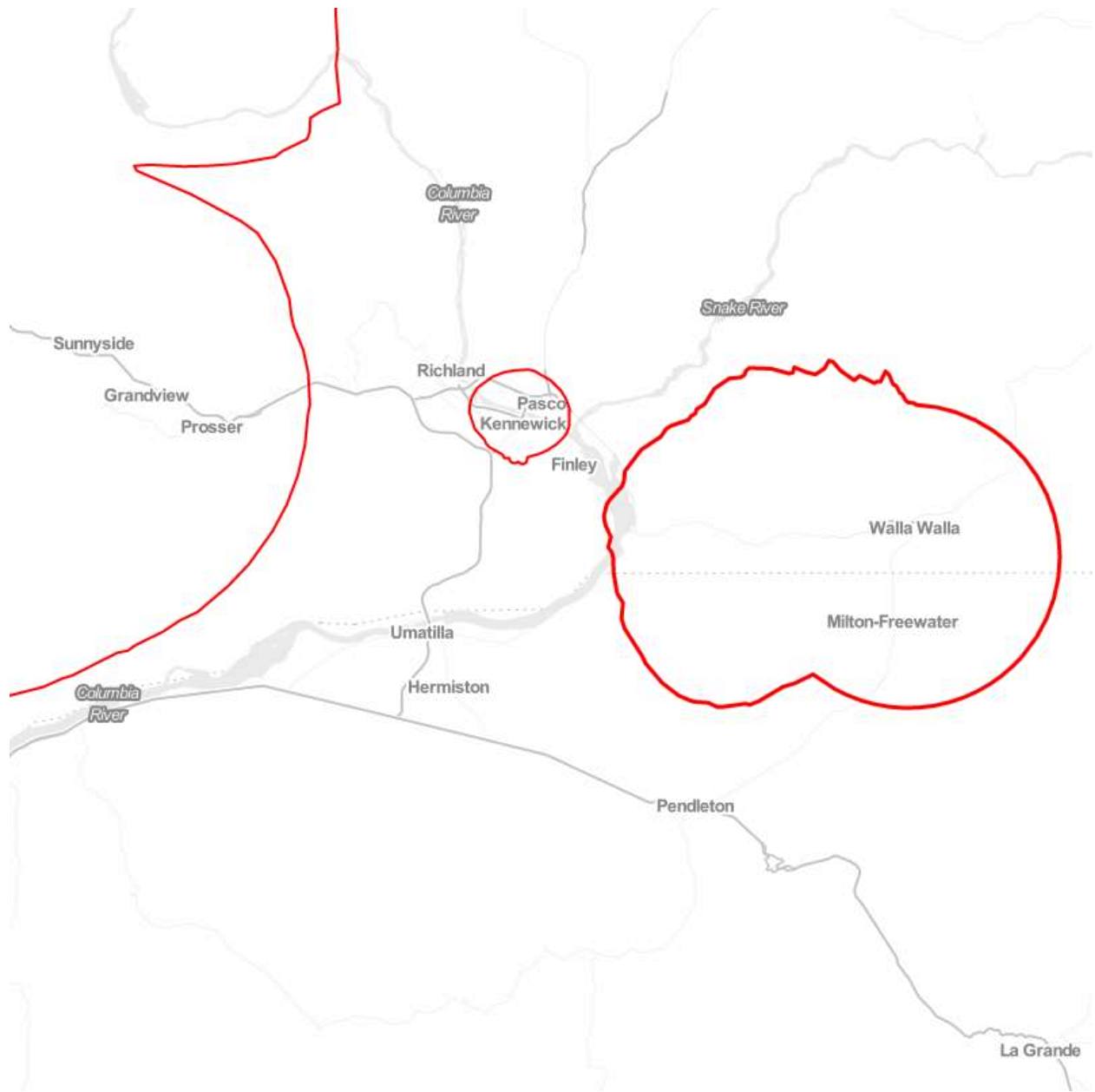
KETL-LP (135216)

REPUBLIC WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
263	C2	KWIQ-FM	MOSES LAKE WA	179.7	96

Upgrade may not be available due to the 34 dBu interfering contour exceeding 60 km in the direction of Canada.

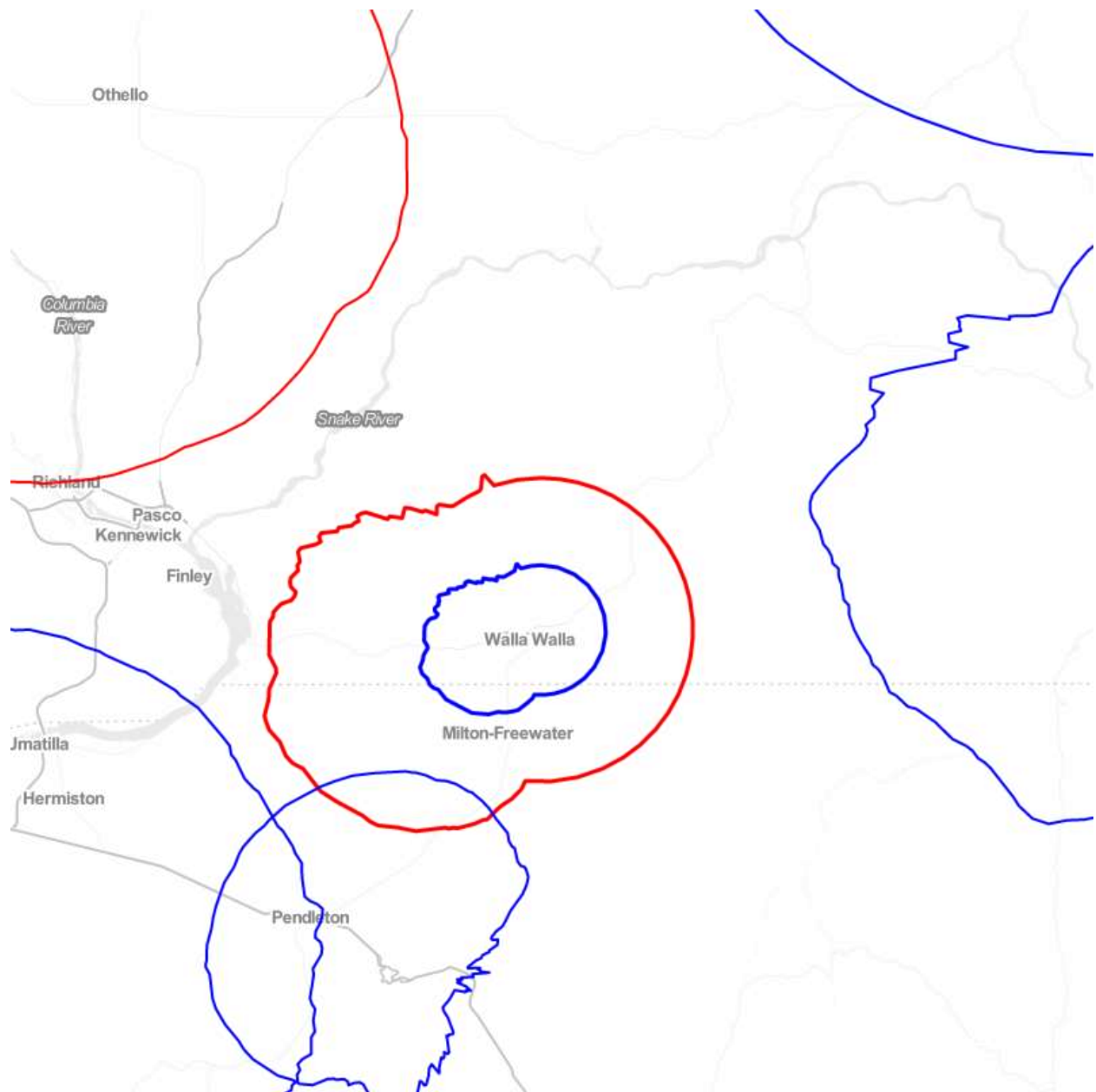


KTNH-LP (197231)

WALLA WALLA WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
297	D	K297BE	KENNEWICK WA	63.7	37
297	C	KFFM	YAKIMA WA	171.5	136

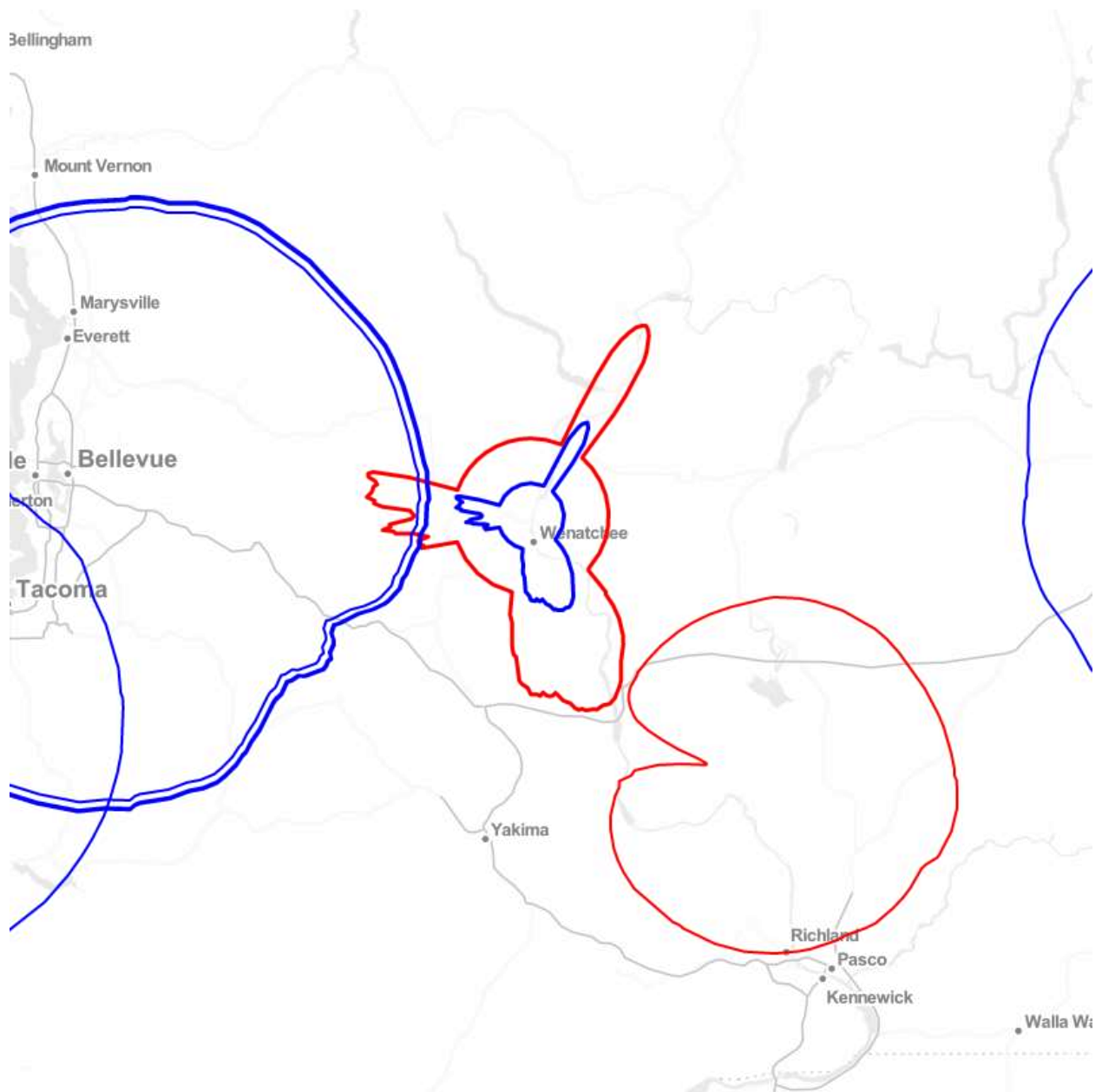


KRWW-LP (197470)

WALLA WALLA WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
241	C2	KLKY	STANFIELD OR	108.5	82
241	C	KFOO-FM	OPPORTUNITY WA	191	122
242	C2	KRCW	ROYAL CITY WA	106.4	96
243	C1	KOZE-FM	LEWISTON ID	110.4	102
243	D	K243CK	PENDLETON OR	57.7	30



KWEW-LP (135720)

WENATCHEE WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
241	C	KXXO	OLYMPIA WA	221.1	122
241	C	KFOO-FM	OPPORTUNITY WA	244	122
242	C2	KRCW	ROYAL CITY WA	113	96
243	C	KJAQ	SEATTLE WA	124.1	122
243	C	KJAQ	SEATTLE WA	124.1	122
243	C	KJAQ	SEATTLE WA	124.1	122

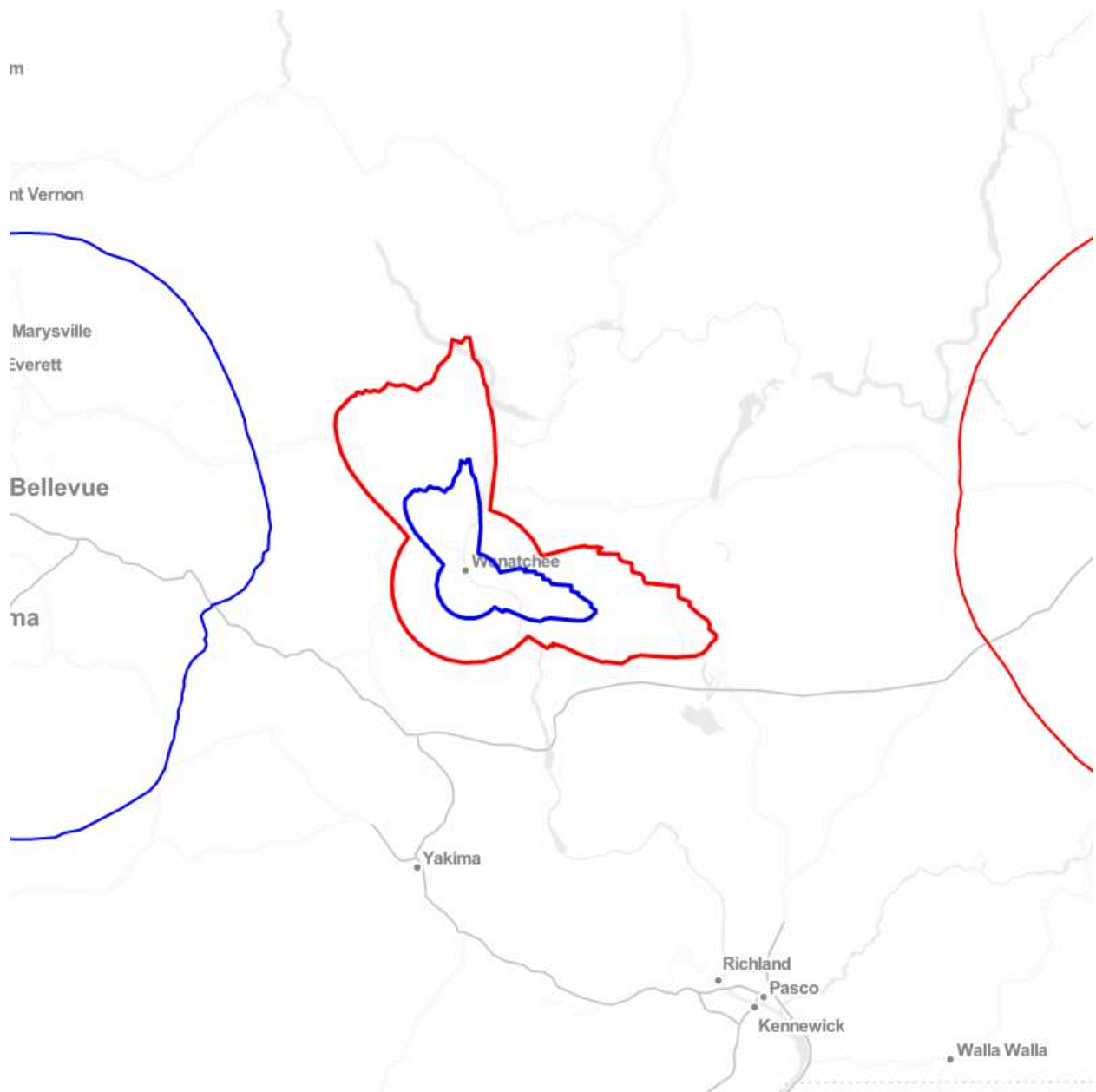


KEFA-LP (195791)

WENATCHEE WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
274	C0	KORD-FM	RICHLAND WA	168.1	114
275	C	KZTM	MCKENNA WA	220.4	136
275	C	KZTM	CENTRALIA WA	220.4	136
276	C2	KYKV	SELAH WA	82.9	82

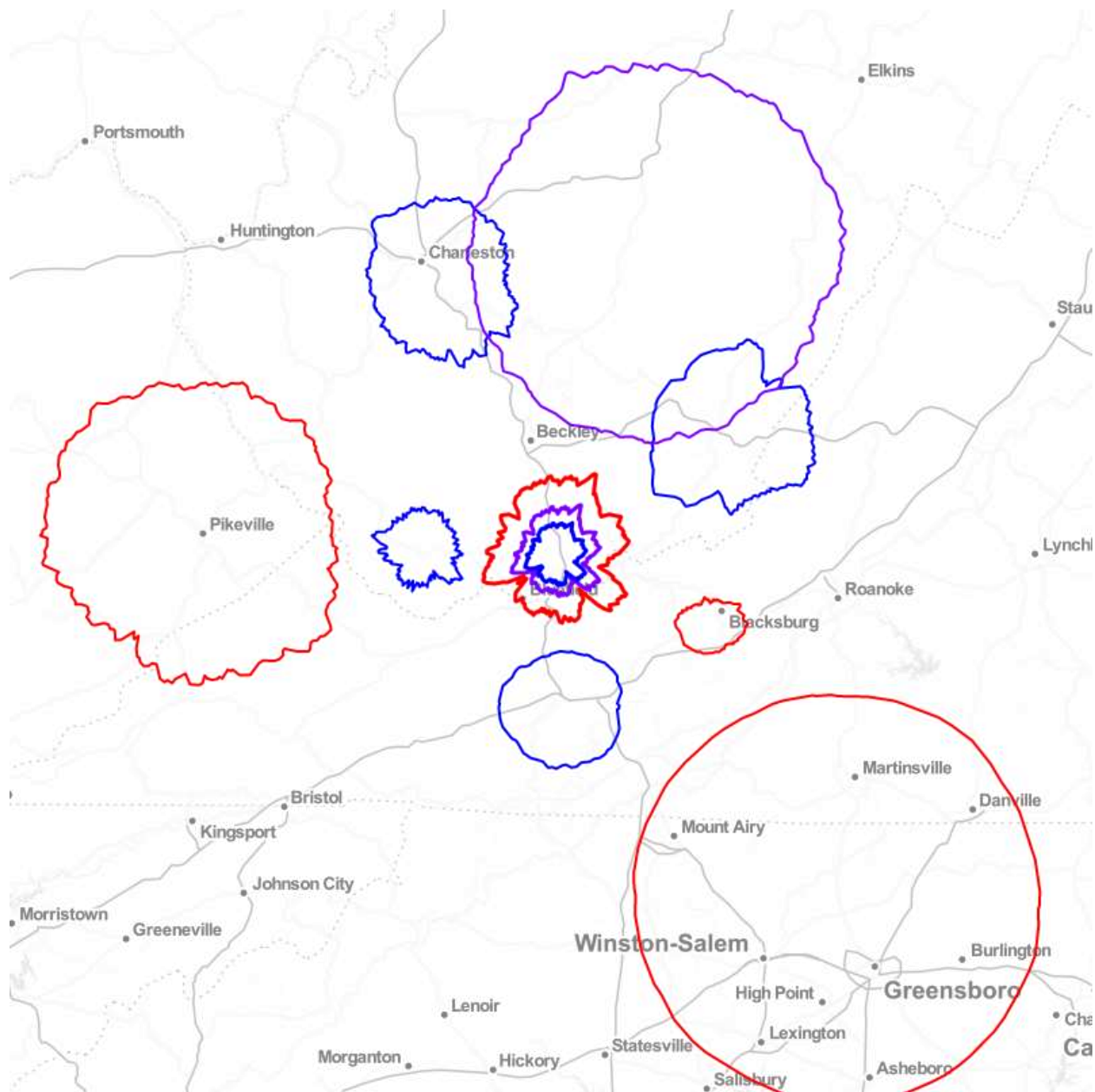


KJHS-LP (192469)

WENATCHEE WA

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
299	C	KNDD	SEATTLE WA	127.6	122
300	C	KMBI-FM	SPOKANE WA	242.8	136



WGAG-LP (134607)

PRINCETON WV

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
225	B	WCWV	SUMMERSVILLE WV	113.4	99
226	C	WPAW	WINSTON-SALEM NC	161.5	136
226	C2	WDHR	PIKEVILLE KY	129.6	96
226	D	W226AT	CHRISTIANSBURG VA	60.9	37
227	A	WKCJ	WHITE SULPHUR SPRING WV	79.1	58
227	D	W227DS	RURAL RETREAT VA	54.8	30
227	D	W227DU	WELCH WV	46.7	30
227	A	WKVW	MARMET WV	104.1	58

See next page...

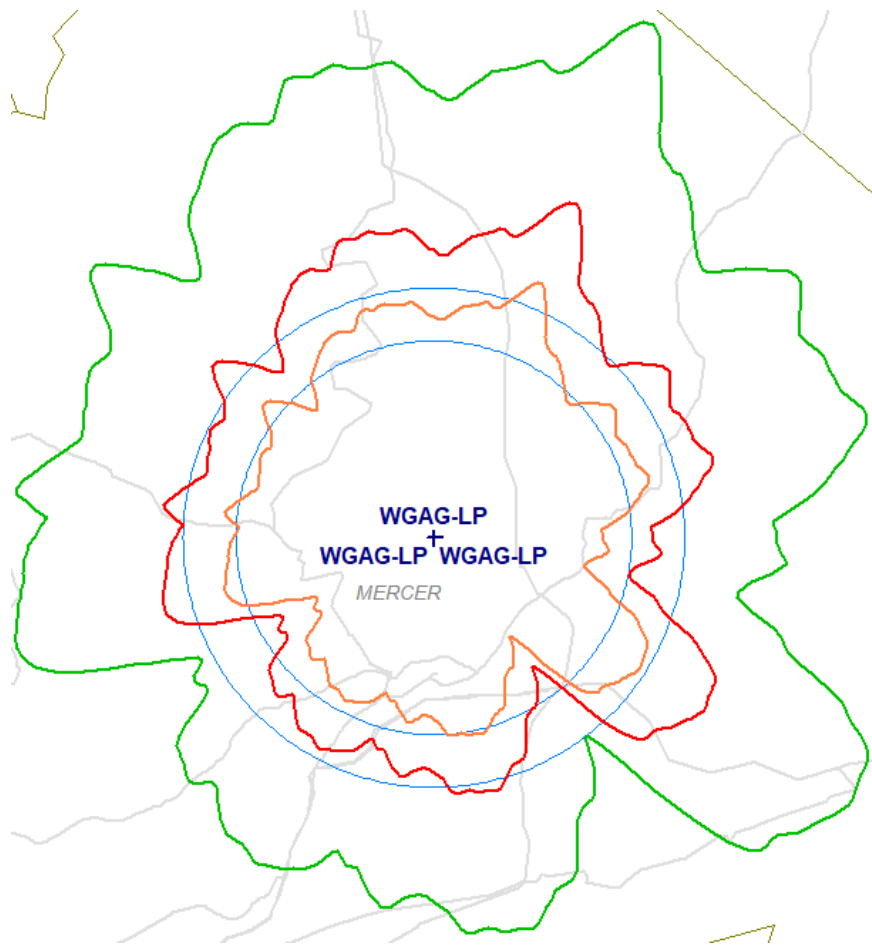
WGAG-LP was authorized in 2003 with 100 watts at -6 meters HAAT. However, a HAAT study shows that the station is actually at 115 meters HAAT. This would mean that this station is operating at a substantially higher power than what is permitted for LPFM stations. This station is operating with a 11 km service contour, which would be the equivalent to an LP1400 facility.

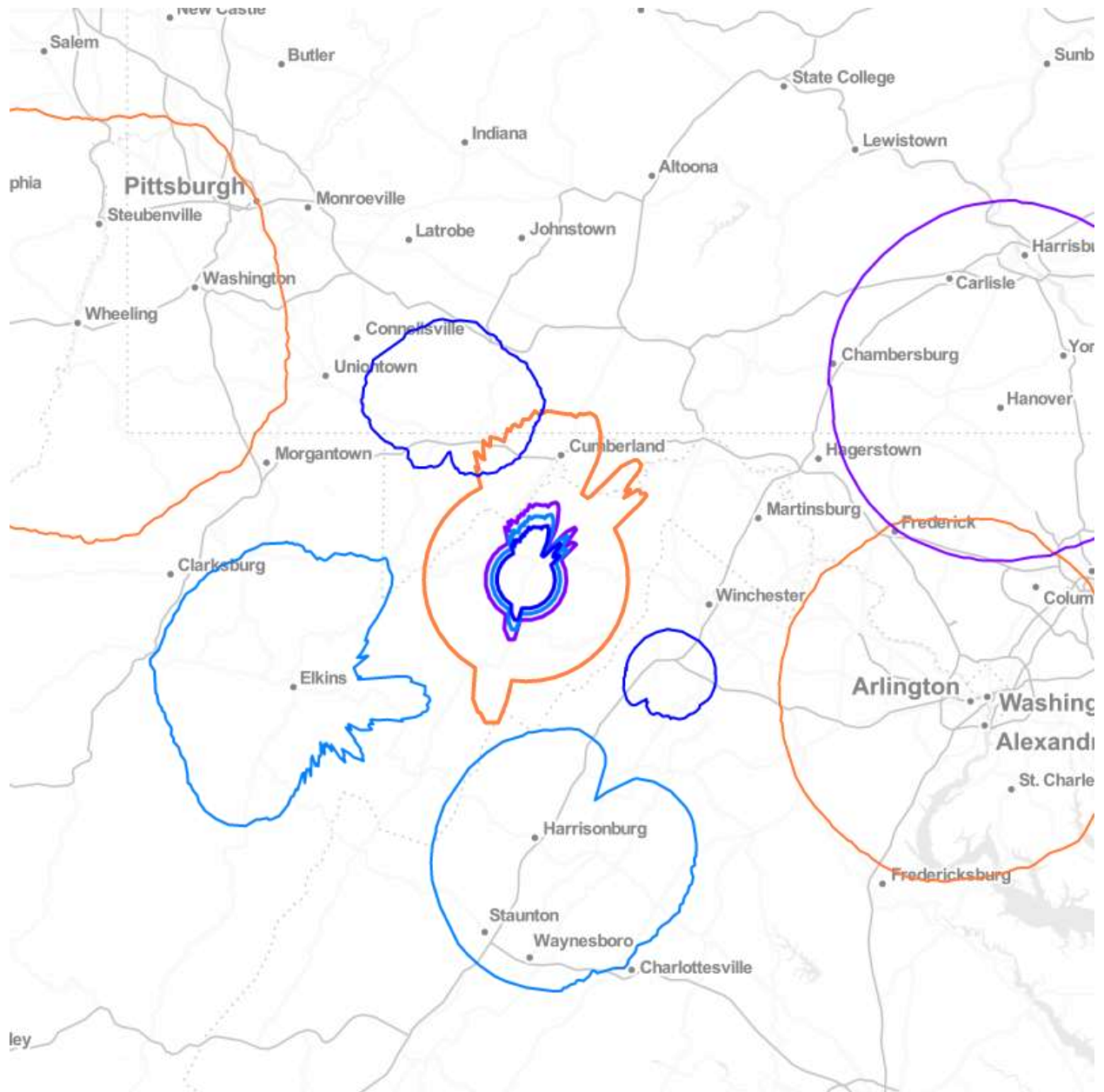
This is not necessarily the fault of the station, but perhaps a staff error that has been allowed to continue for the past 18 years.

As an LP100 station, this facility should have been authorized at 6 watts ERP.
As an LP250 station, this facility would be authorized at 17 watts ERP.

The contour map on the previous page shows the contours if the station was operating at 17 watts ERP.

This map shows the 60 dBu contour of what is currently authorized (green), what their LP100 should be (orange) and at LP250 (red):



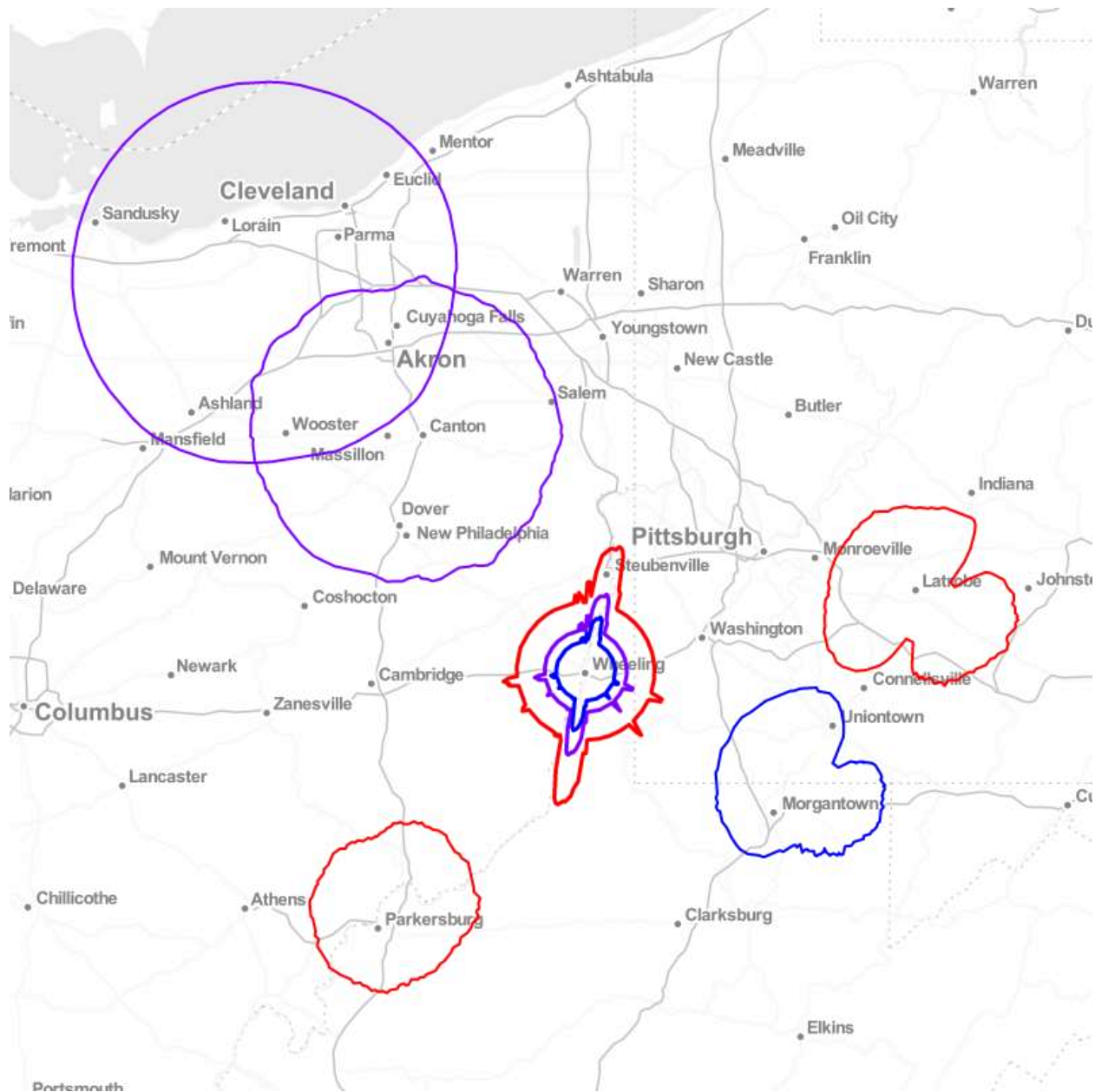


WHMG-LP (134476)

PURGITSVILLE WV

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
253	B1	WACL	ELKTON VA	97.3	77
253	A	WYRA	CONFLUENCE PA	64.5	58
253	B	WYCR	YORK-HANOVER PA	180.6	99
254	B	WOVK	WHEELING WV	184.2	121
254	B	WMZQ-FM	WASHINGTON DC	153.3	121
255	B1	WDNE-FM	ELKINS WV	85.9	77
255	D	W255CK	FRONT ROYAL VA	60	30

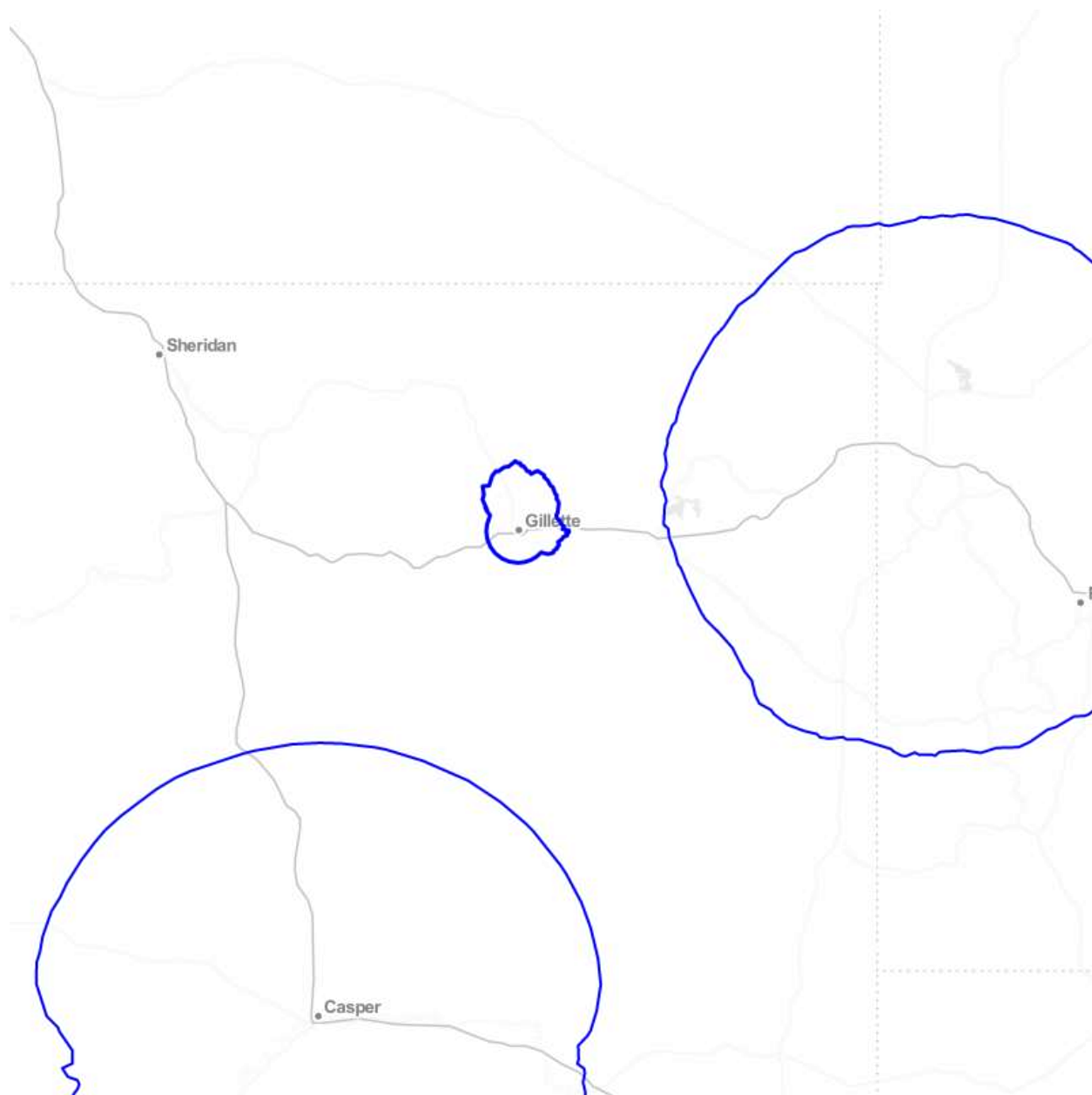


WEJP-LP (194364)

WHEELING WV

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
295	A	WMKF	MASONTOWN PA	90.3	58
295	B	WRQK-FM	CANTON OH	103.1	99
296	A	WHJB	GREENSBURG PA	119.4	72
296	A	WNUS	BELPRE OH	105.3	72
297	B	WNWV	ELYRIA OH	172	99

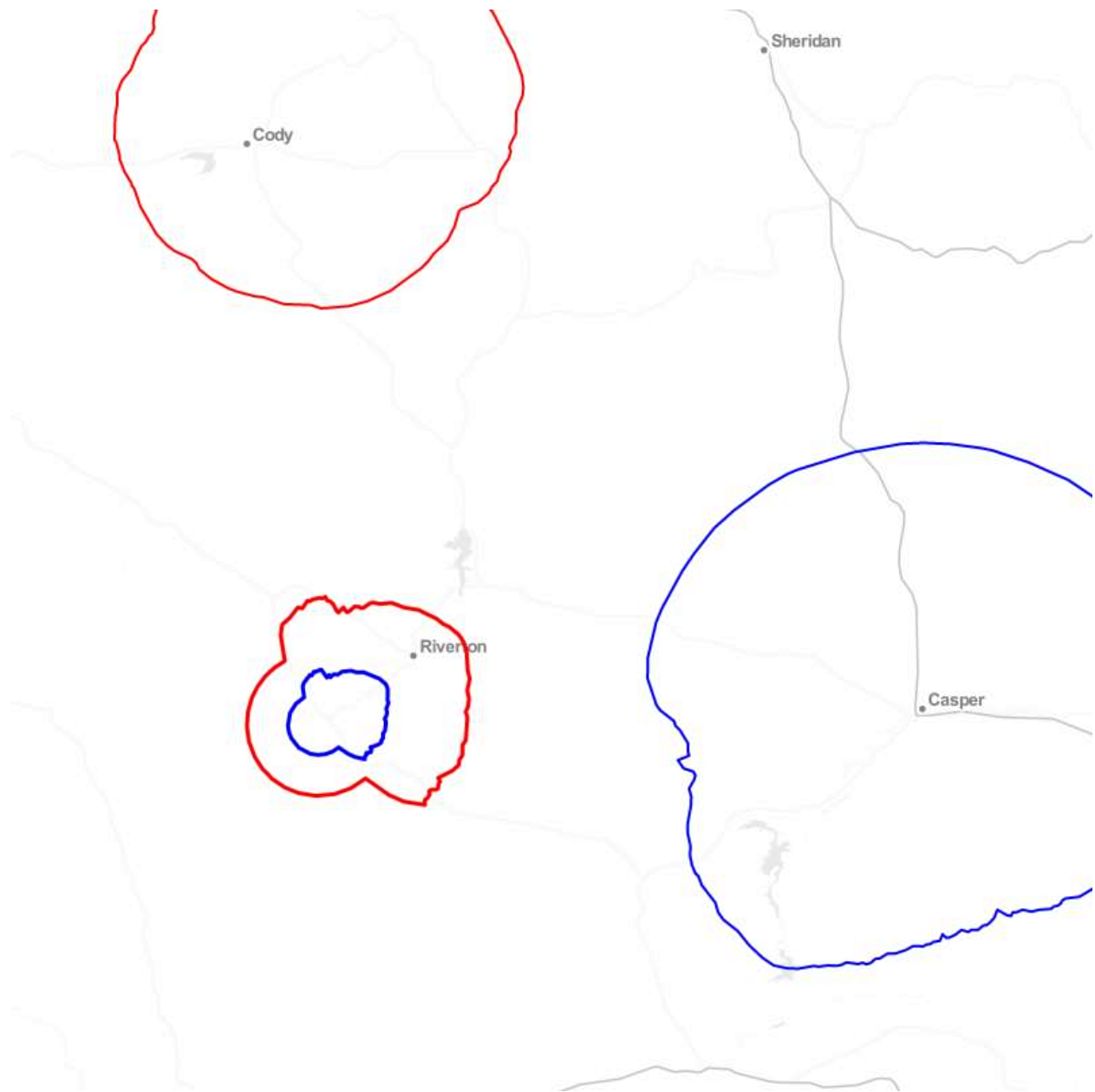


KCOV-LP (125905)

GILLETTE WY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
238	C	KWYY	MIDWEST WY	183.3	122
240	C	KZZI	BELLE FOURCHE SD	133.4	122



KOFR-LP (194424)

LANDER WY

Facilities considered:

Channel	Class	Call	Location	Distance	LP250 Dist Req
295	C	KASS	CASPER WY	201.2	122
296	C1	KWHO	LOVELL WY	194.4	116