

CONSOLIDATED ENGINEERING EXHIBIT

FCC Form 340 - Section VII - FM Engineering

ENGINEERING STATEMENT
PROPOSED MINOR-AMENDMENT TO 20071018BDS, MOSCOW, ID
Radio Free Moscow, Inc.

This minor-amendment of an original application for a new NCE station at Moscow, ID (20071018BDS), is being submitted concurrently with a Joint Request for Approval of Settlement Agreement, filed jointly by the applicant Radio Free Moscow (“RFM”), and Washington State University (“WSU”). This amendment moves the location, changes the ERP, and changes the antenna pattern. All other applications in MX Group 83 (highlighted in yellow in Exhibit 16) remain unaffected. RFM’s Moscow application is part of Group 83.

RFM filed applications at Moscow, and also at Pullman, WA. The two communities are 13km apart.

The Agreement includes:

1. This amendment.
2. RFM requests dismissal of its application at Pullman (20071018BDI), part of MX Group 257 (highlighted in green in Exhibit 16).
3. WSU agrees to modify the antenna pattern of KNWV, Clarkson, WA, from non-directional to directional, to accommodate RFM’s amendment.
4. WSU agrees to amend the pattern of their application (20071022AVN) at Pullman, WA, to accommodate RFM’s amendment.

The end result of these changes is that WSU’s application at Pullman, WA - 20071022AVN - becomes a grantable singleton. No new mutual exclusivities are created by any of these proposals.

The Joint Settlement Agreement settles Group 257. It does not affect the outcome of Group 83. RFM has already been named the Tentative Selectee of Group 83, based on Points.¹ This amendment does not change the points standing of RFM’s application at Moscow. It should remain the Tentative Selectee.

¹RFM was awarded 5 points; the other two competing applicants were awarded 2 points each.

Exhibit 14 - Community of License Coverage

Brown Broadcast Services, Inc.
Job: RFM FINAL FINAL 083010db.fmj
Master Database: 2010_Aug_30.fmd
Lat: N46:40:54 Lon: W116:58:13 NAD-27
Scale: 1:333333
Channel: 212 Class: A

rfInvestigator Version 3.4.18
by rfSoftware, Inc.
Date: 8/30/2010 5:44:12 PM
Key:
City Grade
Protected
Co-Channel
1st Adj
2nd/3rd Adj

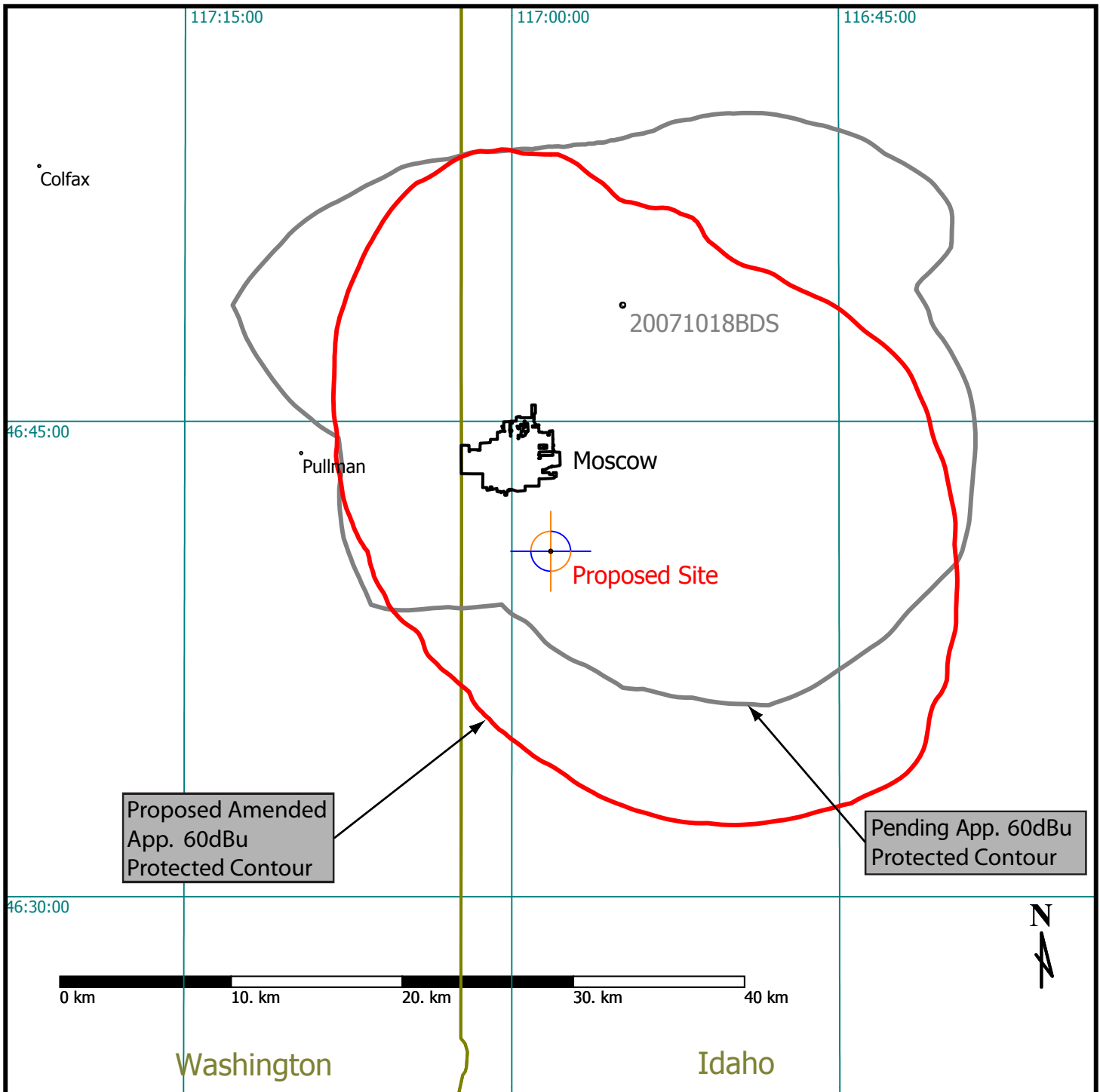


EXHIBIT 16

CONTOUR OVERLAP PROTECTION TO OTHER RESERVED-BAND STATIONS

This minor amendment application is being submitted concurrently with a Joint Request for Approval of Settlement Agreement, filed jointly by the applicant Radio Free Moscow (“RFM”), and Washington State University (“WSU”). A full outline of the agreement is included as part of the preceding **Engineering Statement**. Concurrent changes to 20071018BDI, at Pullman, WA, and KNWV, Clarkson, WA are being proposed. The following contour protection maps and FMOver tabulations are based on the proposed modified facilities of all three of these facilities.

Domestic stations considered:

ID	City	St	Chan	CL	Stat	Prefix	ARN	Dist	Min 207	Clear 207
Co-channel										
20071018BDS	MOSCOW	ID	213	A	APP	BNPED	20071022BDS	15.0	115	-100.0
970820MA	RATHDRUM	ID	212	C3	APP	BPED	19970820MA	127.8	142	-14.2
KTVR-FM	LA GRANDE	OR	212	C2	LIC	BLED	20040504ABP	163.6	166	-2.4
KPBZ	SPOKANE	WA	212	A	LIC	BLED	20100621AAA	132.2	115	17.2
1st Adjacent channel										
KNWV	CLARKSTON	WA	213	A	LIC	BLED	20090312ABV	26.9	72	-45.1
20071022AEY	PALOUSE	WA	211	A	APP	BNPED	20071022AEY	32.5	72	-39.5
KNWO App	COTTONWOOD	ID	211	C2	APP	BPED	20100804AAZ	78.4	106	-27.6
KNWO	COTTONWOOD	ID	211	C3	LIC	BLED	19940207KA	78.4	89	-10.6
2nd & 3rd Adjacent channel										
20071022AVN	PULLMAN	WA	210	A	APP	BNPED	20071022AVN	10.5	31	-20.5
KZUU	PULLMAN	WA	214	A	LIC	BLED	20090210AAL	15.6	31	-15.4
20071018BDI	PULLMAN	WA	210	A	APP	BNPED	20071018BDI	16.4	31	-14.6
KAUC	WEST CLARKSTON	WA	209	A	CP	BPED	19990129MD	27.2	31	-3.9

Applicants highlighted in yellow, above, are part of MX Group 83. RFM has already been named the Tentative Selectee (20071018BDS).

Applicants highlighted in green, above, are part of MX Group 257, which is resolved by the proposed Settlement Agreement.

BROWN BROADCAST SERVICES
INCORPORATED

Michael D. Brown

3740 S.W. Comus St.

Portland, Oregon 97219-7418

503-245-6065

All contour calculations were made using the methods and procedures described in 47 CFR §73.313(c), using FCC 30 second terrain data. Contours that were closely spaced were cross-checked using V-Soft's implementation of FMOver¹, with recent enhancements to precisely comport with FCC results.

Areas were calculated using a spline integration in one-degree increments. Population totals were calculated by testing each U.S. Census-defined block-centroid population point in the region with a point-in-polygon method. The population was summed for each point within the polygon using data from the 2000 Census.

¹Part of FM Commander Version 6.3.0.42b

Exhibit 16a - Co-Channel Contour Protection

Brown Broadcast Services, Inc.
Job: RFM FINAL FINAL 083010db.fmj
Master Database: 2010_Aug_30.fmd
Lat: N46:40:54 Lon: W116:58:13 NAD-27
Scale: 1:1750000
Channel: 212 Class: A

rfInvestigator Version 3.4.18
by rfSoftware, Inc.
Date: 8/30/2010 5:47:02 PM

PROPOSED

Protected: 60dBu F(50,50)

Interfering: 40dBu F(50,10)

AFFECTED

Protected: 60dBu F(50,50)

Interfering: 40dBu F(50,10)

Not shown: application 20071018BDS, as it is amended to the proposed site as part of the Settlement Agreement (see Engineering Statement).

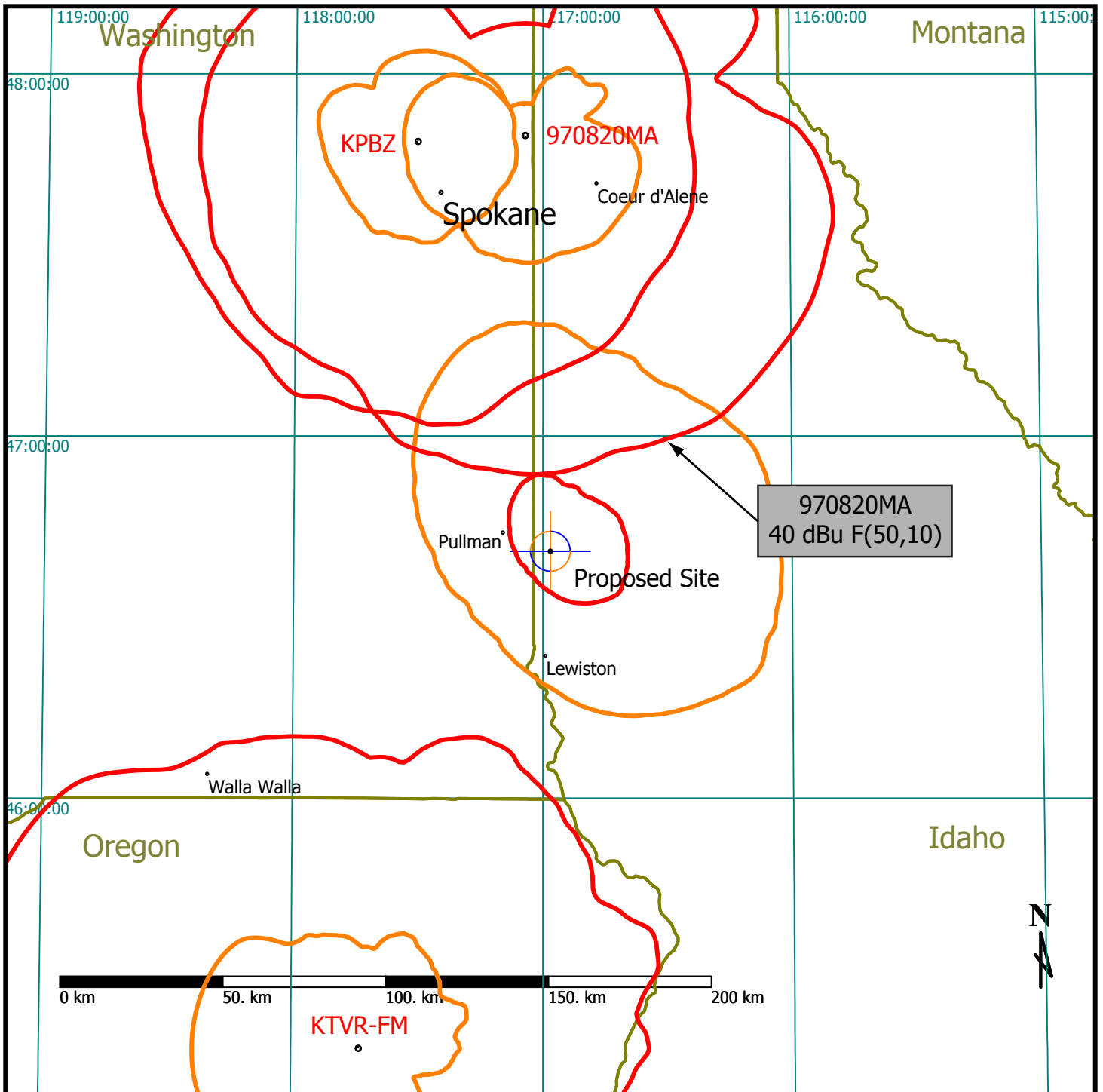


EXHIBIT 16b

FMOver Analysis - 20071018BDS Proposed vs. 970820MA, Rathdrum, ID

08-30-2010

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

BNPED20071018BDS Proposed

970820MA BPED19970820MA

Channel = 212A
Max ERP = 0.27 kW
RCAMSL = 1146 M
N. Lat. 46 40 54.0
W. Lng. 116 58 13.0
Protected
60 dBu

Channel = 212C3
Max ERP = 0.9 kW
RCAMSL = 1176 M
N. Lat. 47 49 46.0
W. Lng. 117 04 18.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
312.0	000.0622	0340.8	017.0	182.5	000.9000	0489.2	116.3	36.59	
313.0	000.0652	0342.4	017.3	182.5	000.9000	0489.2	115.9	36.69	
314.0	000.0683	0344.4	017.5	182.5	000.9000	0489.2	115.6	36.79	
315.0	000.0715	0346.4	017.8	182.5	000.9000	0489.3	115.2	36.90	
316.0	000.0747	0347.9	018.0	182.4	000.9000	0489.3	114.8	37.00	
317.0	000.0780	0348.9	018.2	182.4	000.9000	0489.4	114.4	37.10	
318.0	000.0814	0349.3	018.4	182.4	000.9000	0489.5	114.0	37.20	
319.0	000.0848	0349.1	018.6	182.3	000.9000	0489.6	113.6	37.30	
320.0	000.0883	0348.5	018.8	182.2	000.9000	0489.8	113.3	37.39	
321.0	000.0928	0348.2	019.0	182.2	000.9000	0489.9	112.9	37.49	
322.0	000.0975	0347.8	019.2	182.1	000.9000	0490.1	112.5	37.60	
323.0	000.1022	0346.9	019.5	182.1	000.9000	0490.2	112.1	37.70	
324.0	000.1070	0345.5	019.6	182.0	000.9000	0490.4	111.8	37.80	
325.0	000.1120	0344.6	019.8	181.9	000.9000	0490.6	111.4	37.90	
326.0	000.1170	0344.6	020.1	181.8	000.9000	0490.9	111.0	38.01	
327.0	000.1222	0345.0	020.3	181.8	000.9000	0491.1	110.6	38.12	
328.0	000.1275	0345.7	020.5	181.7	000.9000	0491.3	110.3	38.23	
329.0	000.1329	0346.1	020.7	181.6	000.9000	0491.5	109.9	38.34	
330.0	000.1384	0345.8	020.9	181.5	000.9000	0491.8	109.5	38.44	
331.0	000.1455	0344.8	021.2	181.4	000.9000	0492.0	109.1	38.55	
332.0	000.1527	0343.9	021.4	181.3	000.9000	0492.2	108.8	38.66	
333.0	000.1601	0343.1	021.6	181.1	000.9000	0492.3	108.4	38.76	
334.0	000.1677	0342.4	021.8	181.0	000.9000	0492.4	108.0	38.87	
335.0	000.1754	0341.3	022.0	180.9	000.9000	0492.6	107.6	38.97	
336.0	000.1833	0339.9	022.2	180.7	000.9000	0492.7	107.3	39.06	
337.0	000.1914	0338.1	022.4	180.6	000.9000	0492.8	107.0	39.15	
338.0	000.1997	0336.4	022.6	180.4	000.9000	0492.9	106.7	39.24	
339.0	000.2081	0334.6	022.8	180.3	000.9000	0493.1	106.4	39.33	
340.0	000.2168	0332.0	022.9	180.1	000.9000	0493.2	106.1	39.41	
341.0	000.2218	0329.1	022.9	179.9	000.9000	0493.4	105.9	39.46	
342.0	000.2269	0327.1	023.0	179.7	000.9000	0493.5	105.8	39.51	
343.0	000.2321	0326.4	023.1	179.5	000.9000	0493.7	105.5	39.58	
344.0	000.2374	0326.7	023.2	179.3	000.9000	0493.8	105.3	39.65	
345.0	000.2427	0327.6	023.4	179.1	000.9000	0494.0	105.0	39.72	
346.0	000.2480	0328.1	023.5	178.9	000.9000	0494.1	104.8	39.79	
347.0	000.2534	0327.5	023.6	178.7	000.9000	0494.3	104.6	39.85	
348.0	000.2589	0325.8	023.7	178.5	000.9000	0494.4	104.5	39.89	
349.0	000.2644	0323.8	023.7	178.3	000.9000	0494.3	104.4	39.92	
350.0	000.2700	0320.8	023.7	178.0	000.9000	0494.1	104.3	39.94	

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Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
351.0	000.2700	0317.6	023.6	177.8	000.9000	0494.0	104.4	39.92	
352.0	000.2700	0317.1	023.6	177.6	000.9000	0493.8	104.3	39.92	
353.0	000.2700	0317.2	023.6	177.4	000.9000	0493.7	104.3	39.93	
354.0	000.2700	0314.9	023.5	177.1	000.9000	0493.5	104.3	39.91	
355.0	000.2700	0310.2	023.4	176.9	000.9000	0493.3	104.5	39.86	
356.0	000.2700	0305.7	023.2	176.7	000.9000	0493.1	104.7	39.81	
357.0	000.2700	0303.8	023.1	176.4	000.9000	0492.8	104.7	39.78	
358.0	000.2700	0302.6	023.1	176.2	000.9000	0492.8	104.8	39.76	
359.0	000.2700	0301.7	023.0	176.0	000.9000	0492.7	104.8	39.75	
000.0	000.2700	0301.9	023.0	175.8	000.9000	0492.7	104.8	39.74	
001.0	000.2700	0302.2	023.1	175.6	000.9000	0492.7	104.9	39.74	
002.0	000.2700	0297.8	022.9	175.4	000.9000	0492.6	105.1	39.68	
003.0	000.2700	0292.8	022.7	175.2	000.9000	0492.5	105.3	39.61	
004.0	000.2700	0287.0	022.5	175.0	000.9000	0492.4	105.6	39.53	
005.0	000.2700	0278.7	022.2	174.8	000.9000	0492.3	106.0	39.43	
006.0	000.2700	0272.0	021.9	174.6	000.9000	0492.2	106.3	39.34	
007.0	000.2700	0267.7	021.8	174.4	000.9000	0492.1	106.5	39.27	
008.0	000.2700	0263.4	021.6	174.2	000.9000	0491.9	106.8	39.19	
009.0	000.2700	0256.1	021.3	174.1	000.9000	0491.8	107.1	39.09	
010.0	000.2700	0248.0	021.0	173.9	000.9000	0491.7	107.5	38.97	
011.0	000.2700	0242.7	020.8	173.8	000.9000	0491.5	107.9	38.88	
012.0	000.2700	0241.2	020.7	173.6	000.9000	0491.3	108.0	38.83	
013.0	000.2700	0242.2	020.7	173.4	000.9000	0491.1	108.1	38.80	
014.0	000.2700	0242.7	020.8	173.2	000.9000	0490.9	108.2	38.77	
015.0	000.2700	0242.3	020.7	173.0	000.9000	0490.6	108.3	38.72	
016.0	000.2700	0241.9	020.7	172.9	000.9000	0490.3	108.5	38.67	
017.0	000.2700	0243.6	020.8	172.7	000.9000	0489.9	108.6	38.64	
018.0	000.2700	0246.4	020.9	172.5	000.9000	0489.5	108.6	38.61	
019.0	000.2700	0248.2	021.0	172.3	000.9000	0489.0	108.7	38.57	
020.0	000.2700	0247.6	021.0	172.1	000.9000	0488.6	108.9	38.51	
021.0	000.2700	0245.9	020.9	172.0	000.9000	0488.2	109.2	38.44	
022.0	000.2700	0246.4	020.9	171.8	000.9000	0487.7	109.3	38.38	
023.0	000.2700	0246.5	020.9	171.6	000.9000	0487.2	109.5	38.32	
024.0	000.2700	0243.1	020.8	171.5	000.9000	0486.8	109.8	38.22	
025.0	000.2700	0237.0	020.5	171.4	000.9000	0486.5	110.2	38.10	
026.0	000.2700	0229.9	020.2	171.4	000.9000	0486.3	110.7	37.98	
027.0	000.2700	0225.4	020.0	171.3	000.9000	0486.0	111.0	37.88	
028.0	000.2700	0223.3	019.9	171.1	000.9000	0485.6	111.3	37.79	
029.0	000.2700	0220.6	019.8	171.0	000.9000	0485.3	111.6	37.70	
030.0	000.2700	0218.7	019.7	170.9	000.9000	0484.9	111.9	37.62	
031.0	000.2700	0217.7	019.7	170.8	000.9000	0484.5	112.1	37.54	
032.0	000.2700	0217.6	019.7	170.7	000.9000	0484.0	112.4	37.47	
033.0	000.2700	0218.8	019.7	170.5	000.9000	0483.5	112.6	37.40	
034.0	000.2700	0221.3	019.8	170.4	000.9000	0482.8	112.7	37.35	
035.0	000.2700	0225.3	020.0	170.2	000.9000	0482.1	112.8	37.29	
036.0	000.2700	0229.3	020.2	170.0	000.9000	0481.3	113.0	37.24	
037.0	000.2700	0233.4	020.4	169.8	000.9000	0480.6	113.1	37.18	
038.0	000.2700	0237.0	020.5	169.6	000.9000	0479.9	113.3	37.12	
039.0	000.2700	0239.8	020.6	169.4	000.9000	0479.2	113.5	37.05	
040.0	000.2700	0241.5	020.7	169.3	000.9000	0478.6	113.7	36.98	
041.0	000.2700	0242.8	020.8	169.2	000.9000	0478.0	113.9	36.90	

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Page 3 of 4

08-30-2010 FCC NGDC 30 Sec Terrain Data

970820MA BPED19970820MA

BNPED20071018BDS Proposed

Channel = 212C3
Max ERP = 0.9 kW
RCAMSL = 1176 M
N. Lat. 47 49 46.0
W. Lng. 117 04 18.0
Protected
60 dBu

Channel = 212A
Max ERP = 0.27 kW
RCAMSL = 1146 M
N. Lat. 46 40 54.0
W. Lng. 116 58 13.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
132.0	000.9000	0469.5	038.1	011.3	000.2700	0242.0	104.2	26.88	
133.0	000.9000	0471.0	038.1	011.1	000.2700	0242.4	103.6	27.06	
134.0	000.9000	0472.8	038.2	010.9	000.2700	0242.8	103.0	27.25	
135.0	000.9000	0474.6	038.3	010.8	000.2700	0243.4	102.4	27.44	
136.0	000.9000	0476.7	038.4	010.6	000.2700	0244.1	101.8	27.64	
137.0	000.9000	0478.8	038.5	010.4	000.2700	0245.0	101.2	27.84	
138.0	000.9000	0481.2	038.6	010.3	000.2700	0246.1	100.6	28.06	
139.0	000.9000	0483.6	038.7	010.1	000.2700	0247.5	100.0	28.28	
140.0	000.9000	0485.8	038.8	009.9	000.2700	0249.2	099.4	28.51	
141.0	000.9000	0488.1	038.9	009.7	000.2700	0250.8	098.8	28.74	
142.0	000.9000	0490.4	039.0	009.4	000.2700	0252.6	098.3	28.97	
143.0	000.9000	0493.0	039.1	009.2	000.2700	0254.4	097.7	29.20	
144.0	000.9000	0495.5	039.2	009.0	000.2700	0256.2	097.1	29.43	
145.0	000.9000	0497.7	039.3	008.7	000.2700	0258.1	096.6	29.66	
146.0	000.9000	0498.8	039.3	008.5	000.2700	0260.2	096.1	29.88	
147.0	000.9000	0499.0	039.3	008.2	000.2700	0262.3	095.6	30.09	
148.0	000.9000	0497.3	039.3	007.8	000.2700	0264.3	095.2	30.28	
149.0	000.9000	0494.6	039.2	007.5	000.2700	0265.7	094.9	30.42	
150.0	000.9000	0491.8	039.0	007.1	000.2700	0267.2	094.5	30.57	
151.0	000.9000	0489.5	038.9	006.7	000.2700	0268.9	094.2	30.72	
152.0	000.9000	0487.2	038.8	006.4	000.2700	0270.5	093.9	30.87	
153.0	000.9000	0484.8	038.7	006.0	000.2700	0272.1	093.6	31.01	
154.0	000.9000	0481.7	038.6	005.6	000.2700	0273.9	093.4	31.14	
155.0	000.9000	0478.8	038.5	005.2	000.2700	0277.0	093.1	31.31	
156.0	000.9000	0476.8	038.4	004.8	000.2700	0280.1	092.9	31.49	
157.0	000.9000	0475.7	038.3	004.5	000.2700	0283.2	092.6	31.67	
158.0	000.9000	0474.7	038.3	004.1	000.2700	0286.4	092.4	31.85	
159.0	000.9000	0473.3	038.2	003.7	000.2700	0289.1	092.1	32.01	
160.0	000.9000	0471.4	038.1	003.3	000.2700	0291.4	091.9	32.14	
161.0	000.9000	0468.5	038.0	002.9	000.2700	0293.4	091.8	32.25	
162.0	000.9000	0465.5	037.9	002.5	000.2700	0295.4	091.7	32.35	
163.0	000.9000	0463.2	037.8	002.1	000.2700	0297.4	091.5	32.45	
164.0	000.9000	0461.8	037.7	001.7	000.2700	0299.4	091.4	32.56	
165.0	000.9000	0462.1	037.7	001.3	000.2700	0301.2	091.2	32.68	
166.0	000.9000	0464.7	037.8	000.9	000.2700	0302.1	090.9	32.80	
167.0	000.9000	0468.6	038.0	000.5	000.2700	0302.0	090.6	32.90	
168.0	000.9000	0473.1	038.2	000.2	000.2700	0301.9	090.2	33.00	
169.0	000.9000	0477.4	038.4	359.8	000.2700	0301.9	089.9	33.10	
170.0	000.9000	0481.4	038.6	359.4	000.2700	0301.8	089.6	33.19	
171.0	000.9000	0485.1	038.7	359.0	000.2700	0301.7	089.4	33.27	
172.0	000.9000	0488.2	038.9	358.5	000.2700	0302.0	089.1	33.34	
173.0	000.9000	0490.5	039.0	358.1	000.2700	0302.5	089.0	33.41	

BROWN BROADCAST SERVICES
INCORPORATED

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Portland, Oregon 97219-7418

503-245-6065

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
174.0	000.9000	0491.7	039.0	357.7	000.2700	0303.0	088.9	33.46	
175.0	000.9000	0492.5	039.1	357.3	000.2700	0303.5	088.8	33.50	
176.0	000.9000	0492.7	039.1	356.8	000.2700	0304.0	088.8	33.53	
177.0	000.9000	0493.4	039.1	356.4	000.2700	0304.6	088.7	33.55	
178.0	000.9000	0494.1	039.1	355.9	000.2700	0305.9	088.7	33.60	
179.0	000.9000	0494.1	039.1	355.5	000.2700	0307.8	088.8	33.65	
180.0	000.9000	0493.3	039.1	355.1	000.2700	0309.9	088.8	33.69	
181.0	000.9000	0492.5	039.1	354.7	000.2700	0311.9	089.0	33.72	
182.0	000.9000	0490.4	039.0	354.2	000.2700	0313.9	089.1	33.73	
183.0	000.9000	0488.0	038.9	353.8	000.2700	0315.6	089.3	33.71	
184.0	000.9000	0486.5	038.8	353.4	000.2700	0316.7	089.5	33.69	
185.0	000.9000	0484.8	038.7	353.0	000.2700	0317.2	089.7	33.64	
186.0	000.9000	0483.1	038.6	352.6	000.2700	0317.2	089.9	33.57	
187.0	000.9000	0483.2	038.6	352.2	000.2700	0317.1	090.1	33.52	
188.0	000.9000	0484.7	038.7	351.7	000.2700	0317.0	090.2	33.48	
189.0	000.9000	0484.9	038.7	351.3	000.2700	0317.0	090.4	33.42	
190.0	000.9000	0483.3	038.7	351.0	000.2700	0317.7	090.7	33.35	
191.0	000.9000	0480.8	038.5	350.6	000.2700	0318.8	091.0	33.28	
192.0	000.9000	0477.1	038.4	350.2	000.2700	0320.0	091.4	33.19	
193.0	000.9000	0473.3	038.2	349.9	000.2694	0321.2	091.8	33.09	
194.0	000.9000	0470.0	038.1	349.5	000.2675	0322.4	092.2	32.98	
195.0	000.9000	0468.8	038.0	349.2	000.2655	0323.4	092.5	32.87	
196.0	000.9000	0470.6	038.1	348.8	000.2634	0324.3	092.8	32.79	
197.0	000.9000	0473.0	038.2	348.4	000.2612	0325.0	093.0	32.71	
198.0	000.9000	0473.9	038.2	348.1	000.2592	0325.7	093.3	32.61	
199.0	000.9000	0473.2	038.2	347.7	000.2573	0326.2	093.7	32.48	
200.0	000.9000	0473.0	038.2	347.4	000.2555	0326.8	094.0	32.35	
201.0	000.9000	0472.5	038.2	347.1	000.2537	0327.4	094.4	32.22	
202.0	000.9000	0470.5	038.1	346.8	000.2521	0327.8	094.8	32.07	
203.0	000.9000	0465.6	037.9	346.5	000.2508	0328.0	095.4	31.88	
204.0	000.9000	0458.0	037.6	346.3	000.2497	0328.1	096.1	31.66	
205.0	000.9000	0448.4	037.2	346.2	000.2489	0328.1	096.8	31.43	
206.0	000.9000	0439.0	036.8	346.0	000.2481	0328.1	097.5	31.19	
207.0	000.9000	0431.6	036.5	345.9	000.2473	0328.1	098.1	30.98	
208.0	000.9000	0426.1	036.2	345.7	000.2463	0328.0	098.7	30.77	
209.0	000.9000	0420.6	036.0	345.5	000.2453	0327.9	099.3	30.57	
210.0	000.9000	0412.4	035.7	345.4	000.2447	0327.8	100.0	30.35	
211.0	000.9000	0401.5	035.2	345.3	000.2443	0327.8	100.8	30.11	
212.0	000.9000	0391.9	034.9	345.2	000.2439	0327.7	101.5	29.88	
213.0	000.9000	0385.5	034.6	345.1	000.2432	0327.6	102.1	29.68	
214.0	000.9000	0380.1	034.4	345.0	000.2425	0327.6	102.7	29.48	
215.0	000.9000	0374.9	034.2	344.8	000.2419	0327.4	103.3	29.29	
216.0	000.9000	0372.3	034.1	344.7	000.2410	0327.3	103.8	29.11	
217.0	000.9000	0373.3	034.1	344.5	000.2399	0327.1	104.2	28.94	
218.0	000.9000	0377.3	034.3	344.2	000.2385	0326.9	104.6	28.79	
219.0	000.9000	0382.4	034.5	343.9	000.2370	0326.6	105.0	28.65	
220.0	000.9000	0387.4	034.7	343.7	000.2356	0326.5	105.4	28.50	
221.0	000.9000	0391.8	034.9	343.4	000.2343	0326.4	105.8	28.35	

BROWN BROADCAST SERVICES
INCORPORATED

Michael D. Brown

3740 S.W. Comus St.

Portland, Oregon 97219-7418

503-245-6065

Exhibit 16c - 1st Adjacent Channel Contour Protection

Brown Broadcast Services, Inc.
Job: RFM FINAL FINAL 083010db.fmj
Master Database: 2010_Aug_30.fmd
Lat: N46:40:54 Lon: W116:58:13 NAD-27
Scale: 1:1000000
Channel: 212 Class: A

rfInvestigator Version 3.4.18
by rfSoftware, Inc.
Date: 8/30/2010 6:16:38 PM

PROPOSED

Protected: 60dBu F(50,50)

Interfering: 54dBu F(50,10)

AFFECTED

Protected: 60dBu F(50,50)

Interfering: 54dBu F(50,10)

KNWV pattern modified from non-directional to directional by a concurrently filed minor modification as part of the Settlement Agreement (see Engineering Statement).

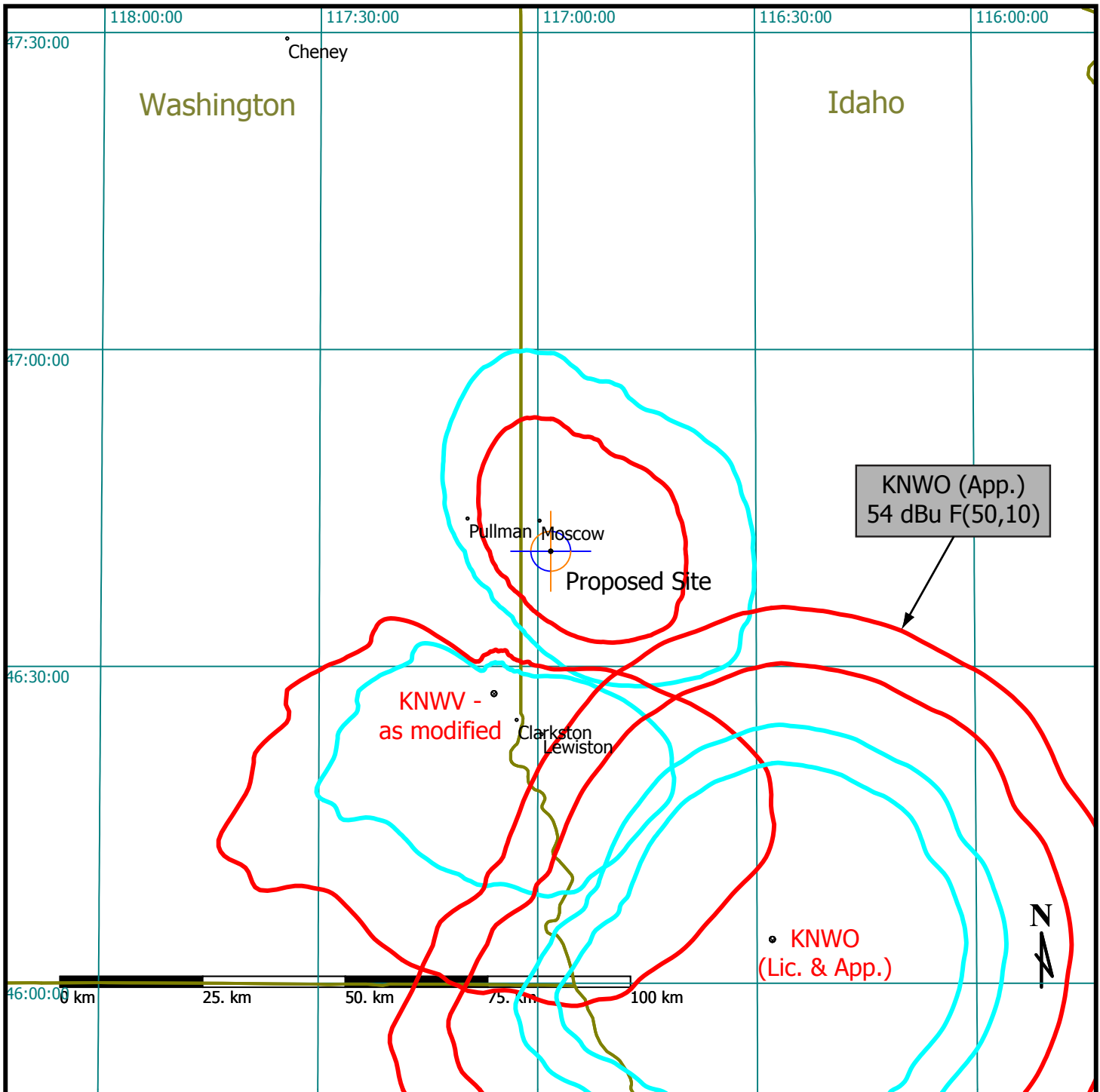


EXHIBIT 16d

FMOver Analysis - 20071018BDS Proposed vs. KNWV mod., Clarkston, WA

BNPED20071018BDS Proposed

KNWV BLED20090312ABV

Channel = 212A
Max ERP = 0.27 kW
RCAMSL = 1146 M
N. Lat. 46 40 54.0
W. Lng. 116 58 13.0
Protected
60 dBu

Channel = 213A
Max ERP = 0.42 kW
RCAMSL = 908 M
N. Lat. 46 27 26.0
W. Lng. 117 06 00.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
157.0	000.0841	0291.8	017.0	060.5	000.0398	0068.5	019.0	42.83	
158.0	000.0802	0291.4	016.7	059.7	000.0383	0067.6	018.7	42.79	
159.0	000.0764	0290.9	016.5	058.9	000.0371	0066.5	018.5	42.72	
160.0	000.0727	0290.7	016.3	058.0	000.0358	0065.3	018.2	42.62	
161.0	000.0698	0290.7	016.1	057.3	000.0347	0064.1	018.0	42.54	
162.0	000.0670	0289.9	015.9	056.4	000.0334	0063.1	017.8	42.44	
163.0	000.0642	0288.8	015.7	055.5	000.0321	0062.6	017.6	42.38	
164.0	000.0614	0287.8	015.5	054.6	000.0308	0062.5	017.4	42.35	
165.0	000.0588	0287.0	015.3	053.7	000.0296	0062.7	017.2	42.36	
166.0	000.0561	0286.3	015.1	052.7	000.0283	0062.8	017.0	42.33	
167.0	000.0536	0285.8	014.9	051.8	000.0271	0063.1	016.9	42.30	
168.0	000.0511	0285.8	014.7	050.9	000.0259	0063.6	016.7	42.31	
169.0	000.0487	0285.8	014.6	049.9	000.0247	0064.7	016.6	42.37	
170.0	000.0463	0284.5	014.3	048.8	000.0241	0066.5	016.5	42.56	
171.0	000.0444	0282.2	014.1	047.8	000.0234	0067.3	016.4	42.63	
172.0	000.0426	0280.5	014.0	046.8	000.0228	0066.6	016.3	42.50	
173.0	000.0409	0279.7	013.8	045.8	000.0222	0064.8	016.2	42.27	
174.0	000.0392	0277.7	013.6	044.7	000.0216	0062.3	016.1	41.90	
175.0	000.0375	0274.6	013.4	043.6	000.0209	0059.4	016.1	41.43	
176.0	000.0358	0272.0	013.2	042.5	000.0203	0057.4	016.0	41.04	
177.0	000.0342	0270.5	013.0	041.5	000.0197	0056.7	016.0	40.84	
178.0	000.0326	0269.4	012.8	040.5	000.0191	0057.0	016.0	40.78	
179.0	000.0311	0269.9	012.7	039.5	000.0187	0057.7	015.9	40.82	
180.0	000.0296	0270.5	012.5	038.6	000.0182	0058.4	015.9	40.85	
181.0	000.0284	0271.1	012.4	037.8	000.0179	0058.8	015.8	40.86	
182.0	000.0273	0272.0	012.3	036.9	000.0175	0058.8	015.8	40.81	
183.0	000.0261	0272.9	012.2	036.1	000.0171	0058.4	015.8	40.70	
184.0	000.0251	0273.0	012.1	035.2	000.0167	0058.2	015.7	40.56	
185.0	000.0240	0272.9	012.0	034.3	000.0163	0058.3	015.8	40.47	
186.0	000.0229	0272.6	011.9	033.4	000.0159	0058.9	015.8	40.44	
187.0	000.0219	0273.0	011.7	032.5	000.0156	0059.8	015.8	40.44	
188.0	000.0209	0273.7	011.6	031.7	000.0152	0060.2	015.8	40.39	
189.0	000.0199	0274.7	011.5	030.9	000.0149	0060.4	015.8	40.28	
190.0	000.0190	0275.6	011.4	030.0	000.0145	0060.6	015.9	40.18	
191.0	000.0182	0276.7	011.3	029.3	000.0144	0061.2	015.9	40.20	
192.0	000.0174	0277.8	011.2	028.5	000.0143	0062.0	015.9	40.25	
193.0	000.0167	0278.2	011.1	027.7	000.0142	0062.9	016.0	40.28	
194.0	000.0160	0279.1	011.0	026.9	000.0142	0064.0	016.0	40.34	
195.0	000.0153	0280.9	010.9	026.2	000.0141	0065.3	016.1	40.44	
196.0	000.0146	0283.8	010.8	025.5	000.0140	0066.7	016.1	40.54	
197.0	000.0139	0286.4	010.8	024.8	000.0139	0067.7	016.1	40.60	
198.0	000.0133	0288.0	010.7	024.1	000.0138	0068.2	016.2	40.57	
199.0	000.0126	0289.4	010.6	023.4	000.0137	0068.2	016.3	40.46	
200.0	000.0120	0290.8	010.5	022.8	000.0136	0067.8	016.4	40.31	
201.0	000.0116	0291.6	010.4	022.1	000.0136	0067.6	016.5	40.20	
202.0	000.0113	0292.3	010.3	021.5	000.0135	0067.7	016.5	40.12	
203.0	000.0109	0293.0	010.2	020.9	000.0134	0068.1	016.6	40.09	

BROWN BROADCAST SERVICES
INCORPORATED

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3740 S.W. Comus St.

Portland, Oregon 97219-7418

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Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
204.0	000.0106	0294.0	010.2	020.3	000.0133	0069.0	016.7	40.10	
205.0	000.0102	0295.3	010.1	019.7	000.0133	0070.2	016.8	40.16	
206.0	000.0099	0295.9	010.0	019.1	000.0133	0071.6	016.9	40.23	
207.0	000.0095	0295.5	009.9	018.6	000.0133	0073.1	017.0	40.30	
208.0	000.0092	0293.9	009.8	018.1	000.0133	0074.5	017.1	40.34	
209.0	000.0089	0291.3	009.7	017.6	000.0133	0075.8	017.3	40.35	
210.0	000.0086	0288.3	009.5	017.2	000.0133	0076.9	017.5	40.32	
211.0	000.0086	0285.7	009.5	016.7	000.0133	0077.9	017.6	40.37	
212.0	000.0086	0284.0	009.5	016.2	000.0133	0078.8	017.6	40.41	
213.0	000.0086	0282.9	009.4	015.7	000.0133	0079.4	017.7	40.42	
214.0	000.0086	0282.1	009.4	015.2	000.0133	0079.8	017.8	40.41	
215.0	000.0086	0281.3	009.4	014.7	000.0133	0079.9	017.8	40.37	
216.0	000.0086	0280.4	009.4	014.2	000.0133	0079.8	017.9	40.30	
217.0	000.0086	0279.3	009.4	013.8	000.0133	0079.5	018.0	40.19	
218.0	000.0086	0278.4	009.4	013.3	000.0133	0079.0	018.1	40.07	
219.0	000.0086	0277.9	009.4	012.9	000.0133	0078.2	018.1	39.92	
220.0	000.0086	0278.0	009.4	012.4	000.0133	0077.5	018.2	39.77	
221.0	000.0086	0278.7	009.4	011.9	000.0133	0076.8	018.3	39.64	
222.0	000.0086	0279.6	009.4	011.5	000.0133	0076.3	018.3	39.53	
223.0	000.0086	0280.1	009.4	011.0	000.0133	0076.2	018.4	39.45	
224.0	000.0086	0280.0	009.4	010.6	000.0133	0076.3	018.5	39.38	
225.0	000.0086	0279.4	009.4	010.2	000.0133	0076.4	018.6	39.31	
226.0	000.0086	0279.2	009.4	009.8	000.0133	0076.4	018.7	39.23	
227.0	000.0086	0279.8	009.4	009.4	000.0133	0076.3	018.8	39.14	
228.0	000.0086	0280.7	009.4	009.0	000.0133	0076.1	018.9	39.05	
229.0	000.0086	0281.4	009.4	008.6	000.0133	0075.9	019.0	38.94	
230.0	000.0086	0281.3	009.4	008.2	000.0133	0075.5	019.1	38.81	
231.0	000.0086	0279.9	009.4	007.9	000.0133	0075.1	019.2	38.66	
232.0	000.0086	0277.0	009.3	007.6	000.0133	0074.8	019.4	38.50	
233.0	000.0086	0273.4	009.3	007.4	000.0133	0074.5	019.5	38.33	
234.0	000.0086	0269.7	009.2	007.2	000.0133	0074.3	019.7	38.17	
235.0	000.0086	0267.1	009.2	007.0	000.0133	0074.0	019.8	38.02	
236.0	000.0086	0265.1	009.1	006.8	000.0133	0073.8	020.0	37.88	
237.0	000.0086	0264.0	009.1	006.5	000.0133	0073.6	020.1	37.74	
238.0	000.0086	0263.8	009.1	006.3	000.0133	0073.3	020.2	37.60	
239.0	000.0086	0265.1	009.1	005.9	000.0133	0073.0	020.4	37.48	
240.0	000.0086	0268.2	009.2	005.6	000.0133	0072.8	020.5	37.39	
241.0	000.0086	0272.6	009.3	005.1	000.0133	0073.2	020.5	37.35	
242.0	000.0086	0277.7	009.4	004.7	000.0133	0074.1	020.6	37.39	
243.0	000.0086	0282.8	009.4	004.2	000.0133	0075.1	020.7	37.43	
244.0	000.0086	0287.8	009.5	003.8	000.0133	0076.0	020.8	37.46	
245.0	000.0086	0292.2	009.6	003.4	000.0133	0076.8	020.9	37.46	
246.0	000.0086	0295.9	009.7	003.0	000.0133	0077.5	021.1	37.44	

BROWN BROADCAST SERVICES
INCORPORATED

Michael D. Brown

3740 S.W. Comus St.

Portland, Oregon 97219-7418

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08-30-2010 FCC NGDC 30 Sec Terrain Data

KNWV BLED20090312ABV

BNPED20071018BDS Proposed

Channel = 213A
Max ERP = 0.42 kW
RCAMSL = 908 M
N. Lat. 46 27 26.0
W. Lng. 117 06 00.0
Protected
60 dBu

Channel = 212A
Max ERP = 0.27 kW
RCAMSL = 1146 M
N. Lat. 46 40 54.0
W. Lng. 116 58 13.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
003.0	000.0133	0077.6	005.5	206.4	000.0097	0295.9	021.7	47.39	
004.0	000.0133	0075.6	005.4	206.1	000.0099	0295.9	021.7	47.41	
005.0	000.0133	0073.4	005.3	205.7	000.0100	0295.9	021.8	47.42	
006.0	000.0133	0073.0	005.3	205.5	000.0100	0295.8	021.8	47.47	
007.0	000.0133	0074.0	005.4	205.3	000.0101	0295.6	021.7	47.55	
008.0	000.0133	0075.3	005.4	205.1	000.0102	0295.4	021.6	47.63	
009.0	000.0133	0076.1	005.4	204.9	000.0103	0295.2	021.6	47.70	
010.0	000.0133	0076.4	005.5	204.6	000.0103	0294.9	021.5	47.75	
011.0	000.0133	0076.2	005.4	204.4	000.0104	0294.5	021.5	47.79	
012.0	000.0133	0076.8	005.5	204.2	000.0105	0294.3	021.5	47.85	
013.0	000.0133	0078.5	005.5	203.9	000.0106	0294.0	021.4	47.93	
014.0	000.0133	0079.7	005.6	203.7	000.0107	0293.7	021.3	48.00	
015.0	000.0133	0079.9	005.6	203.5	000.0108	0293.4	021.3	48.05	
016.0	000.0133	0079.1	005.6	203.2	000.0109	0293.1	021.3	48.07	
017.0	000.0133	0077.3	005.5	202.9	000.0110	0292.9	021.4	48.06	
018.0	000.0133	0074.7	005.4	202.6	000.0111	0292.7	021.5	48.03	
019.0	000.0133	0071.9	005.3	202.4	000.0111	0292.5	021.6	47.99	
020.0	000.0133	0069.5	005.2	202.1	000.0112	0292.3	021.6	47.96	
021.0	000.0134	0068.0	005.2	201.9	000.0113	0292.2	021.7	47.95	
022.0	000.0135	0067.6	005.2	201.6	000.0114	0292.0	021.7	47.98	
023.0	000.0137	0068.0	005.2	201.4	000.0115	0291.9	021.7	48.03	
024.0	000.0138	0068.2	005.2	201.2	000.0116	0291.8	021.6	48.07	
025.0	000.0139	0067.4	005.2	200.9	000.0117	0291.6	021.7	48.08	
026.0	000.0140	0065.7	005.1	200.7	000.0118	0291.4	021.7	48.06	
027.0	000.0142	0063.9	005.1	200.5	000.0118	0291.2	021.8	48.04	
028.0	000.0143	0062.5	005.0	200.3	000.0119	0291.0	021.8	48.02	
029.0	000.0144	0061.5	005.0	200.0	000.0120	0290.8	021.9	48.01	
030.0	000.0145	0060.7	005.0	199.8	000.0121	0290.5	021.9	48.02	
031.0	000.0149	0060.3	005.0	199.6	000.0123	0290.2	021.9	48.07	
032.0	000.0154	0060.1	005.0	199.3	000.0124	0289.9	021.9	48.12	
033.0	000.0158	0059.3	005.0	199.1	000.0126	0289.6	021.9	48.14	
034.0	000.0162	0058.4	005.0	198.9	000.0127	0289.3	022.0	48.16	
035.0	000.0166	0058.1	005.1	198.7	000.0129	0288.9	022.0	48.20	
036.0	000.0171	0058.4	005.1	198.4	000.0130	0288.6	021.9	48.26	
037.0	000.0175	0058.8	005.2	198.1	000.0132	0288.2	021.9	48.32	
038.0	000.0180	0058.8	005.2	197.9	000.0133	0287.8	021.9	48.36	
039.0	000.0184	0058.1	005.2	197.7	000.0135	0287.5	021.9	48.37	
040.0	000.0189	0057.3	005.2	197.5	000.0136	0287.2	022.0	48.38	
041.0	000.0194	0056.8	005.2	197.2	000.0138	0286.8	022.0	48.40	
042.0	000.0200	0056.9	005.2	197.0	000.0140	0286.3	022.0	48.44	
043.0	000.0206	0058.2	005.3	196.6	000.0142	0285.6	022.0	48.52	
044.0	000.0211	0060.4	005.5	196.3	000.0144	0284.6	021.9	48.62	
045.0	000.0217	0063.0	005.6	195.9	000.0147	0283.4	021.8	48.72	
046.0	000.0223	0065.2	005.7	195.5	000.0150	0282.3	021.8	48.81	
047.0	000.0229	0066.9	005.8	195.1	000.0152	0281.2	021.7	48.88	
048.0	000.0236	0067.3	005.9	194.8	000.0154	0280.5	021.7	48.91	
049.0	000.0242	0066.2	005.9	194.6	000.0156	0280.0	021.8	48.89	
050.0	000.0248	0064.6	005.8	194.4	000.0157	0279.7	021.9	48.85	
051.0	000.0261	0063.5	005.9	194.2	000.0159	0279.3	021.9	48.85	

BROWN BROADCAST SERVICES
INCORPORATED

Michael D. Brown

3740 S.W. Comus St.

Portland, Oregon 97219-7418

503-245-6065

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
052.0	000.0274	0063.0	005.9	193.9	000.0161	0278.9	022.0	48.87	
053.0	000.0287	0062.8	006.0	193.6	000.0163	0278.6	022.0	48.91	
054.0	000.0300	0062.6	006.0	193.3	000.0165	0278.4	022.0	48.94	
055.0	000.0314	0062.5	006.1	193.0	000.0167	0278.2	022.0	48.97	
056.0	000.0328	0062.8	006.2	192.6	000.0170	0278.0	022.0	49.02	
057.0	000.0343	0063.8	006.3	192.2	000.0173	0277.9	022.0	49.09	
058.0	000.0358	0065.3	006.4	191.8	000.0176	0277.6	022.0	49.18	
059.0	000.0373	0066.7	006.5	191.4	000.0179	0277.2	022.0	49.25	
060.0	000.0388	0068.0	006.7	190.9	000.0183	0276.6	022.0	49.31	
061.0	000.0408	0069.0	006.8	190.4	000.0186	0276.1	022.0	49.37	
062.0	000.0428	0070.1	006.9	190.0	000.0190	0275.6	022.0	49.43	
063.0	000.0449	0071.1	007.1	189.5	000.0194	0275.0	022.1	49.50	
064.0	000.0470	0072.3	007.2	189.1	000.0199	0274.7	022.1	49.57	
065.0	000.0491	0073.5	007.3	188.6	000.0203	0274.3	022.1	49.65	
066.0	000.0513	0075.1	007.5	188.0	000.0208	0273.8	022.1	49.72	
067.0	000.0536	0077.4	007.7	187.4	000.0215	0273.2	022.1	49.83	
068.0	000.0559	0081.3	008.0	186.6	000.0223	0272.8	022.1	50.00	
069.0	000.0582	0087.3	008.4	185.4	000.0235	0272.7	022.0	50.27	
070.0	000.0606	0095.3	008.9	184.1	000.0249	0273.1	022.0	50.59	
071.0	000.0638	0103.9	009.4	182.7	000.0265	0272.8	021.9	50.88	
072.0	000.0669	0112.1	009.9	181.4	000.0279	0271.2	021.9	51.08	
073.0	000.0702	0121.6	010.4	180.0	000.0295	0270.5	021.9	51.29	
074.0	000.0735	0132.4	010.9	178.5	000.0318	0269.5	021.9	51.56	
075.0	000.0769	0144.0	011.5	176.9	000.0344	0270.6	022.0	51.90	
076.0	000.0804	0156.8	012.2	175.0	000.0374	0274.4	022.1	52.31	
077.0	000.0840	0169.0	012.9	173.3	000.0403	0279.2	022.2	52.68	
078.0	000.0876	0180.8	013.4	171.8	000.0430	0280.6	022.4	52.86	
079.0	000.0914	0189.7	013.9	170.7	000.0450	0283.0	022.6	52.97	
080.0	000.0952	0197.3	014.3	169.7	000.0471	0285.1	022.8	53.04	
081.0	000.1000	0207.2	014.8	168.4	000.0502	0285.9	023.1	53.14	
082.0	000.1050	0219.7	015.4	166.9	000.0540	0285.9	023.4	53.23	
083.0	000.1101	0232.6	016.1	165.3	000.0580	0286.8	023.8	53.31	
084.0	000.1153	0244.8	016.8	163.8	000.0619	0287.9	024.2	53.34	
085.0	000.1207	0253.9	017.3	162.7	000.0650	0289.1	024.5	53.30	
086.0	000.1261	0260.7	017.8	161.9	000.0674	0290.1	024.9	53.20	
087.0	000.1317	0272.6	018.4	160.7	000.0707	0290.7	025.4	53.10	
088.0	000.1374	0285.0	019.0	159.6	000.0743	0290.8	025.9	52.97	
089.0	000.1432	0298.7	019.7	158.5	000.0785	0291.1	026.5	52.85	
090.0	000.1492	0317.5	020.5	157.1	000.0836	0291.8	027.1	52.72	
091.0	000.1568	0337.8	021.3	155.8	000.0889	0292.1	027.8	52.56	
092.0	000.1646	0358.0	022.2	154.6	000.0938	0292.4	028.5	52.35	
093.0	000.1726	0378.0	023.0	153.5	000.0983	0292.7	029.2	52.11	
094.0	000.1807	0393.6	023.7	152.7	000.1016	0292.9	029.9	51.84	
095.0	000.1891	0410.8	024.4	152.0	000.1048	0292.8	030.7	51.56	
096.0	000.1977	0428.5	025.2	151.3	000.1080	0292.4	031.4	51.26	
097.0	000.2064	0441.9	025.9	150.8	000.1102	0292.1	032.2	50.95	
098.0	000.2153	0454.9	026.5	150.4	000.1121	0291.8	032.9	50.65	
099.0	000.2244	0468.2	027.2	149.9	000.1141	0291.6	033.7	50.33	
100.0	000.2337	0482.0	027.9	149.5	000.1166	0291.7	034.6	50.02	
101.0	000.2456	0493.7	028.7	149.1	000.1188	0291.9	035.4	49.69	
102.0	000.2578	0504.8	029.4	148.8	000.1206	0292.1	036.3	49.35	
103.0	000.2702	0516.2	030.1	148.5	000.1222	0292.3	037.2	49.00	
104.0	000.2830	0527.3	030.9	148.3	000.1236	0292.5	038.1	48.63	
105.0	000.2960	0535.4	031.5	148.2	000.1242	0292.6	038.9	48.26	
106.0	000.3093	0538.7	032.0	148.3	000.1236	0292.5	039.7	47.90	
107.0	000.3230	0538.4	032.4	148.6	000.1220	0292.3	040.3	47.55	
108.0	000.3369	0536.6	032.7	148.9	000.1200	0292.0	040.9	47.21	
109.0	000.3511	0534.4	032.9	149.3	000.1178	0291.8	041.4	46.87	
110.0	000.3656	0532.3	033.2	149.7	000.1156	0291.7	042.0	46.53	
111.0	000.3709	0531.3	033.2	150.2	000.1128	0291.7	042.4	46.24	

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Exhibit 16e - 2nd & 3rd Adjacent Channel Contour Protection

Brown Broadcast Services, Inc.
Job: RFM FINAL FINAL 083010db.fmj
Master Database: 2010_Aug_30.fmd
Lat: N46:40:54 Lon: W116:58:13 NAD-27
Scale: 1:333333
Channel: 212 Class: A

PROPOSED

Protected: 60dBu F(50,50)

Interfering: 100dBu F(50,10)

AFFECTED

Protected: 60dBu F(50,50)

Interfering: 100dBu F(50,10)

rfInvestigator Version 3.4.18
by rfSoftware, Inc.
Date: 8/30/2010 6:27:27 PM

Application 20071022AVN pattern modified by a concurrently filed minor modification as part of the Settlement Agreement (see Engineering Statement).

Not shown: application 20071018BDI, withdrawn as part of the Settlement Agreement.

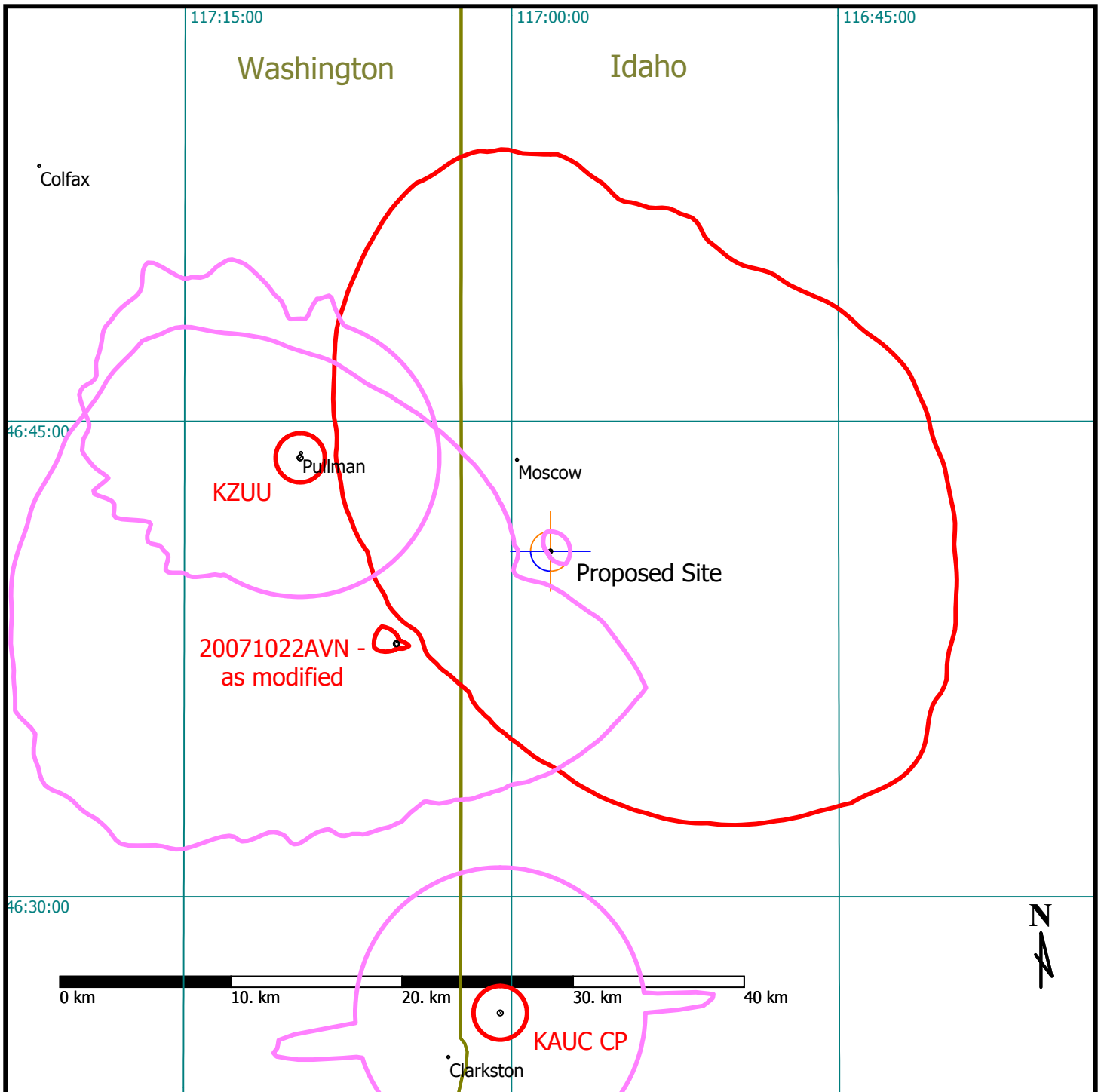


EXHIBIT 19

TV CHANNEL 6 PROTECTION PER §73.525

The affected TV Channel 6 stations, as defined by §73.525(a), are:

ID	City	St	Chan	Stat	Dist	Min 73.525a	Clr 73.525a
NEW	SUPERIOR	MT	6	APP	166.8	195	-28.2
NEW	HERON	MT	6	APP	172.4	195	-22.6
NEW	PASCO	WA	6	APP	180.7	195	-14.3

This proposed minor-amendment will employ an antenna with mixed-polarization, and the interference area will fall outside any community with 50,000 or more persons. Therefore, the effective ERP is $270 + 270/40 = 276.75$ W (0.27675kW).

Exhibit 19a shows that there would be no overlap of the proposal with any Channel 6 station. The U/D ratio at the 62dBu protected contour is 6.7dB, for a corresponding FM interfering contour of 68.7dBu. While a 6dB antenna directivity adjustment is allowed in this case, none was used on this map.

Exhibit 19a - TV Channel 6 Protection - LPTV Applications

Brown Broadcast Services, Inc.
Job: RFM FINAL FINAL 083010db.fmj
Master Database: 2010_Aug_30.fmd
Lat: N46:40:54 Lon: W116:58:13 NAD-27
Scale: 1:2000000
Channel: 212 Class: A

rfInvestigator Version 3.4.18
by rfSoftware, Inc.
Date: 8/30/2010 6:40:36 PM

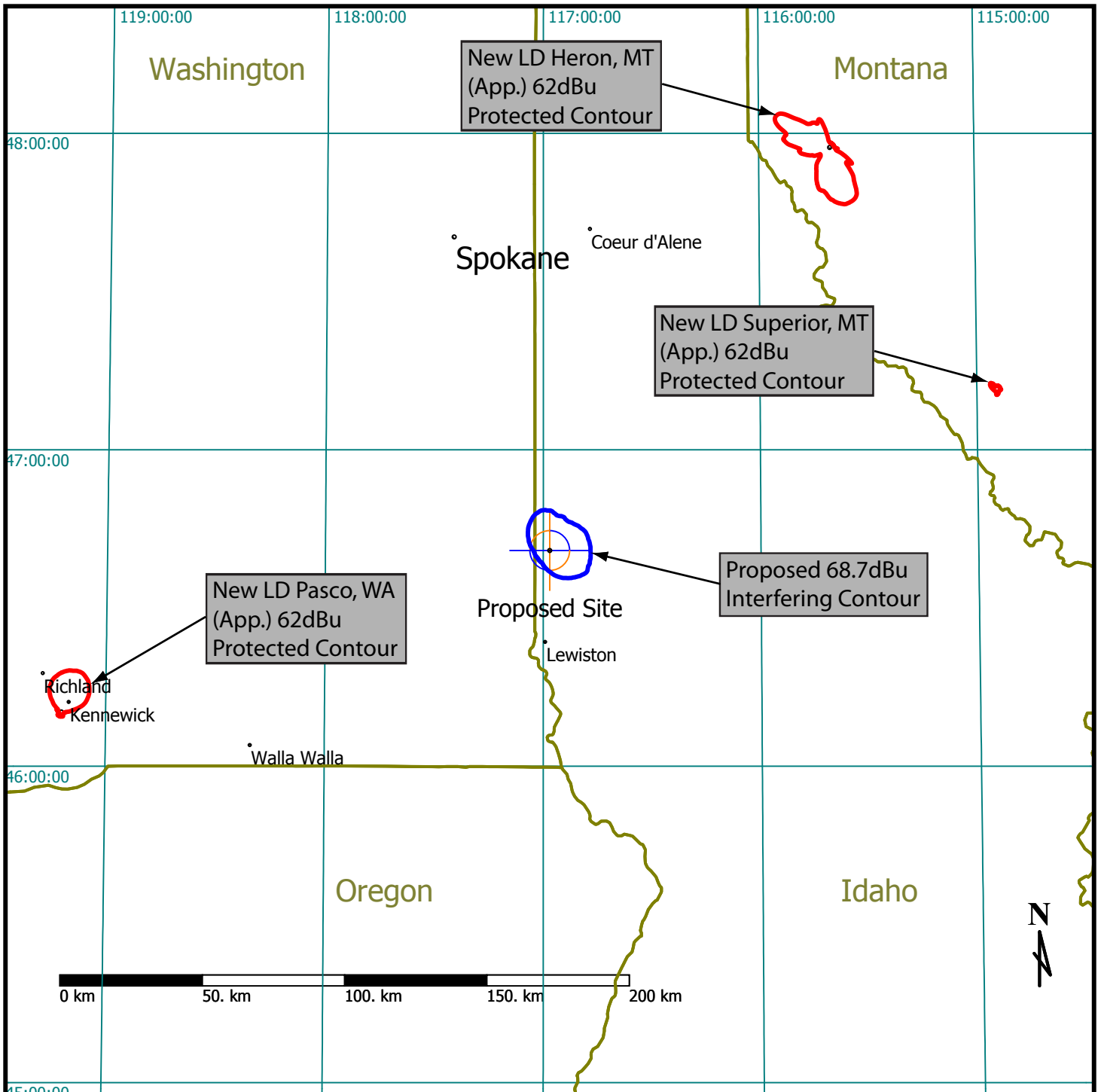


EXHIBIT 21

INTERNATIONAL BORDERS

This proposal is within the 320km Canadian border zone. There are no affected foreign stations.

EXHIBIT 22

ENVIRONMENTAL PROTECTION ACT / NIER ANALYSIS

The applicant proposes mounting a new antenna on an existing 101 meter registered tower. The proposed center of radiation is 49m AGL. A 2 bay 1.0 wave Shively 6813 circularly-polarized antenna is anticipated. Calculations were made using FM Model for Windows, version 2.10. FM Model predicted a peak exposure of $1.07\mu\text{w}/\text{cm}^2$, at 31 meters from the tower. This represents 0.5% of the 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 applicant will ensure that public access to the tower is restricted by fencing, anti-climb devices, or other appropriate measures. The site will posted be with appropriate RF exposure warning signs. If tower 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.

No modification of the existing tower is proposed, other than side-mounting the antenna. The tower was constructed prior to March 16, 2001. The Nationwide Programmatic Agreement generally allows such a collocation without consultation or review under Section 106 and Subpart B of 36 CFR §800. The applicant believes that it is in full compliance with the Agreement, and that no further study is required.