

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A

Non-Commercial Allocation Analysis & Section 73.509 Study

Because of its operating channel, the proposed KWND facility at Springfield, Missouri could potentially impact other authorized or proposed non-commercial stations operating on co- or adjacent FM channels. The detailed list of stations reviewed as potentially impacted by Channel 202C1 at Springfield, Missouri is shown on Exhibit A1. The five closest (nearby) stations/facilities reviewed are KZGM, Channel 201C3, Cabool, Missouri; KLFC, Channel 201A, Branson, Missouri; KMST, Channel 203C1, Rolla, Missouri; an application for Channel 201A at Diamond, Missouri ("Diamond"); and KBJQ, Channel 202C2, Bronson, Kansas¹. The provisions of §73.509 of the rules will be met by specifying less than maximum Class C1 facilities and using a directional antenna system.

Section 73.509 Analysis

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed KWND and the authorized KZGM, KLFC, KMST, Diamond or KBJQ. Attached as Exhibits A3 through A12 are the tabulated distances to the protected and interfering contours, along pertinent arcs, of the proposed KWND and KZGM, KLFC, KMST, Diamond and KBJQ.

1) The remainder of the stations listed on Exhibit A1 were reviewed and were found to be sufficiently removed from the proposed KWND facility. Channel 6 stations are addressed in Exhibit B.

Further, attached as Exhibit A13 are the tabulated and protected contours of the proposed KWND, in ten degree increments. Again, there is no prohibited overlap between the facilities.

Stations Removed by 53 and 54 Channels (I.F. Relationship)

The nearest station operating on a frequency either 53 or 54 channels removed from this instant proposal is the licensed transmitter site of KYOO-FM, Channel 256C3, Half Way, Missouri. The KYOO-FM site is located on a bearing of 343.6° at a distance of 67.9 kilometers from the proposed KWND site. Pursuant to §73.207 of the rules, the KWND facility must be a minimum of 24.0 kilometers from the KYOO-FM site. The KWND site is located more than 40.0 kilometers farther than the required distance. Therefore, this proposal does not impact any intermediate frequency stations.

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June 2009

EXHIBIT A1

Interference Review for KWND Springfield, Missouri
Using Proposed/Licensed Site as Reference

REFERENCE 37 10 30.0 N. 93 02 35.0 W.		CH# 202C1- 88.3 MHZ, Pwr= 40 kW, HAAT= 192.9 M, COR= 618.7 M Average Protected F(50-50)= 54.7 km Standard Directional						DISPLAY DATES DATA 06-06-09 SEARCH 06-08-09		
CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
202C1 KWND Springfield		CP DEX MO	0.0 0.0	0.0 BPED-20070330BHS	37 10 30.0 93 02 35.0	40.000 193	124.4 619	49.4 Radio Training Network, Inc.	-179.8*	-188.5*
202C3 KWND Springfield		LIC CN MO	0.0 0.0	0.0 BLED-19930802KB	37 10 30.0 93 02 35.0	12.000 100	99.4 526	34.4 Radio Training Network, Inc.	-154.7*	-173.5*
201C3 KZGM Cabool		LIC DV MO	93.4 274.1	92.6 BLED-20090326ADT	37 07 15.0 92 00 09.0	12.500 135	24.9 535	16.7 Real Community Radio Network	16.9	0.2
201A KLFC Branson		LIC DCX MO	194.1 14.0	71.3 BLED-20020805AAZ	36 33 06.0 93 14 17.0	1.800 119	27.5 442	18.5 Mountaintop Broadcasting	8.6	0.3
203C1 KMST Rolla		LIC CX MO	58.8 239.6	135.6 BMLED-20020910AAD	37 47 56.0 91 43 28.0	100.000 146	87.3 471	57.7 The Curators Of The University	1.0	8.0
201A 1215757 Diamond		APP DCX MO	263.7 83.0	95.3 BNPED-20071022BAL	37 04 34.0 94 06 28.0	4.400 73	12.8 423	9.1 Nassuna Broadcasting, Inc.	24.9	1.2
202C2 KBJQ Bronson		LIC DCX KS	295.6 114.4	190.9 BMLED-20040507AAH	37 53 56.0 95 00 09.0	36.000 116	129.0 411	47.9 American Family Association	5.1	1.9
203A 1239994 Diamond City		APP VX AR	173.8 353.8	88.6 BNPED-20071016ACX	36 22 53.7 92 56 06.9	2.000 81	38.7 369	25.6 Serendipity Educational Broad.	10.6	4.9
202C1 1253229 Murphy		APP DVX OK	250.2 68.9	212.4 BNPED-20071018ASR	36 30 33.0 95 16 31.0	100.000 48	135.8 266	37.6 Cherokee Nation	21.5	37.3
202A KXUA Fayetteville		LIC V AR	219.7 39.0	159.4 BLED-20000406AAU	36 03 56.0 94 10 30.0	0.470 80	43.4 474	12.5 Board Of Trustees	74.1	40.1
201A NEW Eldon		CP DVX MO	22.3 202.7	144.4 BNPED-20071018BDY	38 22 33.7 92 24 51.6	1.900 118	37.5 349	24.9 Covenant Network	54.1	41.6
256C3 KYOO-FM Half Way		LIC CN MO	343.6 163.5	67.9 BLH-19950501KD	37 45 41.0 93 15 42.0	25.000 100	12.8 402	58.8 Kyoo Communications	24.0R	43.9M
06Z2E KMOS-TV Sedalia		LI HY MO	5.4 185.5	161.9 BLET-20010926ACE	38 37 36.0 92 52 03.0	100.000 602	92.5 864	126.9 The University Of Central	257.0R	-57.6M
06-2E KEMV Mountain View		LI HN AR	155.8 336.3	165.5 BLET-19800903KE	35 48 47.0 92 17 24.0	100.000 424	76.5 753	116.4 Arkansas Educational Television	257.0R	-27.5M

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone = 2, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
***affixed to 'IN' or 'OUT' values = site inside protected contour.

Graham Brock, Inc. - Broadcast Technical Consultants

KWND Proposed
Latitude: 37-10-30 N
Longitude: 093-02-35 W
ERP: 40.00 kW
Channel: 202C1
Frequency: 88.3 MHz
AMS Height: 618.7 m

KBJQ
BMLED-20040507AAH
Latitude: 37-53-56 N
Longitude: 095-00-09 W
ERP: 36.00 kW
Channel: 202C2
Frequency: 88.3 MHz
AMS Height: 411.0 m

Diamond App
BNPED-20071022BAL
Latitude: 37-04-34 N
Longitude: 094-06-28 W
ERP: 4.40 kW
Channel: 201A
Frequency: 88.1 MHz
AMS Height: 423.0 m

KMST
BMLED-20020910AAD
Latitude: 37-47-56 N
Longitude: 091-43-28 W
ERP: 100.00 kW
Channel: 203C1
Frequency: 88.5 MHz
AMS Height: 471.0 m

KLFC
BLED-20020805AAZ
Latitude: 36-33-06 N
Longitude: 093-14-17 W
ERP: 1.80 kW
Channel: 201A
Frequency: 88.1 MHz
AMS Height: 442.0 m

KZGM
BLED-20090326ADT
Latitude: 37-07-15 N
Longitude: 092-00-09 W
ERP: 12.50 kW
Channel: 201C3
Frequency: 88.1 MHz
AMS Height: 535.0 m

KBJQ 40 dBu (50/10)

KBJQ 60 dBu (50/50)

KMST 54 dBu (50/10)

KMST 60 dBu (50/50)

Diamond App 60 dBu (50/50)

Diamond App 54 dBu (50/10)

KLFC 60 dBu (50/50)

KLFC 54 dBu (50/10)

KWND 54 dBu (50/10)

KWND 40 dBu (50/10)

KZGM 60 dBu (50/50)

KZGM 54 dBu (50/10)

KWND 60 dBu (50/50)

EXHIBIT A2

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHz - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
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Scale 1:2,500,000

0 30.0 60.0 90 km

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KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A3

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

KZGM - BLED-20090326ADT
Channel = 201C3
Max ERP = 12.5 kW
RCAMSL = 535 M
N. Lat = 37 07 15
W. Lng = 92 00 09

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
086.0	038.1030	0160.2	051.1	283.2	000.4600	0115.1	042.6	44.4
087.0	038.5730	0159.9	051.1	282.1	000.4535	0115.9	042.3	44.6
088.0	039.0458	0159.6	051.2	280.9	000.4468	0116.9	042.0	44.7
089.0	039.5214	0159.4	051.3	279.7	000.4404	0117.7	041.7	44.8
090.0	040.0000	0159.1	051.4	278.5	000.4348	0118.4	041.5	44.8
091.0	040.0000	0157.7	051.2	277.2	000.4289	0121.0	041.6	44.9
092.0	040.0000	0156.3	051.0	276.0	000.4232	0122.7	041.7	44.9
093.0	040.0000	0155.0	050.8	274.8	000.4175	0124.7	041.8	44.9
094.0	040.0000	0153.6	050.7	273.5	000.4120	0127.7	042.0	44.9
095.0	040.0000	0152.3	050.5	272.3	000.4065	0132.5	042.2	45.1
096.0	040.0000	0151.5	050.4	271.2	000.4012	0131.8	042.4	44.9
097.0	040.0000	0150.4	050.3	270.0	000.3961	0130.7	042.6	44.7
098.0	040.0000	0149.6	050.1	268.8	000.4090	0129.6	042.8	44.6
099.0	040.0000	0149.3	050.1	267.7	000.4220	0128.8	043.0	44.7
100.0	040.0000	0149.3	050.1	266.6	000.4352	0130.0	043.2	44.8
101.0	040.0000	0149.4	050.1	265.4	000.4485	0132.0	043.4	44.9
102.0	040.0000	0150.0	050.2	264.3	000.4620	0132.4	043.6	45.0
103.0	040.0000	0151.1	050.3	263.1	000.4760	0132.2	043.8	45.1
104.0	040.0000	0152.6	050.5	262.0	000.4904	0131.8	043.9	45.1
105.0	040.0000	0153.9	050.7	260.8	000.5047	0130.4	044.1	45.1
106.0	040.0000	0155.5	050.9	259.7	000.5197	0128.7	044.3	45.0
107.0	040.0000	0157.2	051.1	258.5	000.5363	0127.7	044.5	45.0
108.0	040.0000	0159.2	051.4	257.4	000.5532	0129.3	044.8	45.1
109.0	040.0000	0160.8	051.6	256.3	000.5697	0131.1	045.1	45.2
110.0	040.0000	0162.4	051.8	255.2	000.5860	0132.4	045.4	45.3
111.0	040.0000	0163.7	051.9	254.1	000.6018	0132.8	045.8	45.3
112.0	040.0000	0164.7	052.0	253.2	000.6169	0133.0	046.3	45.2
113.0	040.0000	0164.9	052.1	252.3	000.6307	0133.4	046.9	45.1
114.0	040.0000	0165.0	052.1	251.4	000.6439	0133.4	047.5	44.9
115.0	040.0000	0165.9	052.2	250.6	000.6578	0133.4	048.0	44.8
116.0	040.0000	0167.5	052.3	249.7	000.6759	0133.4	048.6	44.7
117.0	040.0000	0169.0	052.5	248.8	000.6995	0133.8	049.1	44.7
118.0	040.0000	0169.8	052.6	248.0	000.7205	0134.5	049.8	44.6
119.0	040.0000	0170.2	052.6	247.3	000.7401	0135.4	050.5	44.5
120.0	040.0000	0171.3	052.8	246.6	000.7608	0135.4	051.1	44.3
121.0	040.0000	0173.2	053.0	245.8	000.7830	0136.5	051.8	44.3
122.0	040.0000	0174.8	053.1	245.1	000.8035	0137.7	052.4	44.2
123.0	040.0000	0175.1	053.2	244.5	000.8200	0137.7	053.2	44.0

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EXHIBIT A4

KZGM - BLED-20090326ADT
Channel = 201C3
Max ERP = 12.5 kW
RCAMSL = 535 M
N. Lat = 37 07 15
W. Lng = 92 00 09

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
244.0	000.8359	0138.8	020.9	101.4	040.0000	0149.4	075.2	53.9
245.0	000.8065	0137.7	020.6	101.1	040.0000	0149.4	075.2	53.9
246.0	000.7775	0136.5	020.4	100.7	040.0000	0149.4	075.3	53.9
247.0	000.7491	0135.4	020.1	100.4	040.0000	0149.3	075.3	53.9
248.0	000.7212	0134.5	019.9	100.1	040.0000	0149.3	075.3	53.9
249.0	000.6938	0133.8	019.6	099.8	040.0000	0149.3	075.3	53.9
250.0	000.6670	0133.4	019.4	099.5	040.0000	0149.3	075.3	53.9
251.0	000.6509	0133.4	019.3	099.2	040.0000	0149.3	075.3	53.9
252.0	000.6351	0133.4	019.2	098.9	040.0000	0149.3	075.2	53.9
253.0	000.6194	0133.0	019.0	098.6	040.0000	0149.3	075.2	53.9
254.0	000.6039	0132.8	018.9	098.4	040.0000	0149.6	075.2	53.9
255.0	000.5886	0132.4	018.7	098.1	040.0000	0149.6	075.2	53.9
256.0	000.5735	0131.1	018.5	097.8	040.0000	0149.6	075.3	53.9
257.0	000.5586	0129.3	018.2	097.5	040.0000	0150.4	075.4	53.9
258.0	000.5439	0127.8	018.0	097.2	040.0000	0150.4	075.5	53.9
259.0	000.5294	0127.7	017.9	096.9	040.0000	0150.4	075.5	53.9
260.0	000.5151	0128.7	017.8	096.7	040.0000	0150.4	075.5	53.9
261.0	000.5025	0130.4	017.8	096.5	040.0000	0151.5	075.4	53.9
262.0	000.4900	0131.8	017.8	096.2	040.0000	0151.5	075.3	54.0
263.0	000.4778	0132.2	017.7	096.0	040.0000	0151.5	075.3	54.0
264.0	000.4656	0132.4	017.6	095.7	040.0000	0151.5	075.4	54.0
265.0	000.4536	0132.0	017.4	095.5	040.0000	0152.3	075.5	54.0
266.0	000.4418	0131.0	017.2	095.2	040.0000	0152.3	075.6	53.9
267.0	000.4301	0130.0	017.0	095.0	040.0000	0152.3	075.7	53.9
268.0	000.4186	0128.8	016.8	094.8	040.0000	0152.3	075.9	53.8
269.0	000.4073	0129.6	016.7	094.5	040.0000	0152.3	076.0	53.8
270.0	000.3961	0130.7	016.7	094.3	040.0000	0153.6	076.0	53.9
271.0	000.4005	0131.8	016.8	094.1	040.0000	0153.6	075.8	53.9
272.0	000.4050	0132.5	016.9	093.9	040.0000	0153.6	075.7	53.9
273.0	000.4095	0130.5	016.8	093.6	040.0000	0153.6	075.8	53.9
274.0	000.4140	0127.7	016.7	093.4	040.0000	0155.0	075.9	53.9
275.0	000.4186	0124.7	016.5	093.2	040.0000	0155.0	076.1	53.9
276.0	000.4232	0122.7	016.4	093.0	040.0000	0155.0	076.2	53.9
277.0	000.4278	0121.0	016.4	092.8	040.0000	0155.0	076.3	53.8
278.0	000.4324	0119.5	016.3	092.6	040.0000	0155.0	076.4	53.8
279.0	000.4371	0118.4	016.3	092.3	040.0000	0156.3	076.4	53.8
280.0	000.4418	0117.7	016.3	092.1	040.0000	0156.3	076.5	53.8
281.0	000.4475	0116.9	016.3	091.9	040.0000	0156.3	076.5	53.8

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June 2009

EXHIBIT A4 (continued)

KZGM - BLED-20090326ADT
Channel = 201C3
Max ERP = 12.5 kW
RCAMSL = 535 M
N. Lat = 37 07 15
W. Lng = 92 00 09

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
282.0	000.4532	0115.9	016.3	091.7	040.0000	0156.3	076.6	53.8
283.0	000.4589	0115.1	016.2	091.5	040.0000	0156.3	076.6	53.8
284.0	000.4646	0113.6	016.2	091.3	040.0000	0157.7	076.7	53.8
285.0	000.4705	0111.9	016.1	091.1	040.0000	0157.7	076.9	53.8
286.0	000.4763	0110.2	016.0	090.9	040.0000	0157.7	077.0	53.7
287.0	000.4822	0109.3	016.0	090.7	040.0000	0157.7	077.1	53.7
288.0	000.4881	0110.0	016.1	090.5	040.0000	0157.7	077.1	53.7
289.0	000.4940	0111.4	016.3	090.3	040.0000	0159.1	077.0	53.8
290.0	000.5000	0113.3	016.5	090.0	040.0000	0159.1	076.9	53.8
291.0	000.5146	0115.5	016.8	089.7	039.8683	0159.1	076.7	53.9
292.0	000.5294	0117.5	017.1	089.4	039.7305	0159.4	076.5	53.9
293.0	000.5444	0119.1	017.4	089.2	039.5951	0159.4	076.4	53.9
294.0	000.5597	0119.9	017.6	088.9	039.4673	0159.4	076.4	53.9
295.0	000.5751	0119.8	017.7	088.6	039.3481	0159.4	076.4	53.9
296.0	000.5908	0119.5	017.8	088.4	039.2321	0159.6	076.4	53.9
297.0	000.6067	0119.2	017.9	088.1	039.1163	0159.6	076.5	53.9
298.0	000.6227	0119.0	018.0	087.9	038.9994	0159.6	076.5	53.9
299.0	000.6390	0119.1	018.1	087.6	038.8781	0159.6	076.6	53.8
300.0	000.6555	0119.3	018.3	087.4	038.7561	0159.9	076.6	53.8
301.0	000.6897	0119.7	018.6	087.1	038.6078	0159.9	076.6	53.8
302.0	000.7248	0120.2	018.8	086.8	038.4569	0159.9	076.5	53.8
303.0	000.7608	0120.8	019.1	086.4	038.3034	0160.2	076.5	53.8
304.0	000.7976	0121.7	019.4	086.1	038.1445	0160.2	076.4	53.8

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EXHIBIT A5

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

KLFC - BLED-20020805AAZ
Channel = 201A
Max ERP = 1.8 kW
RCAMSL = 442 M
N. Lat = 36 33 06
W. Lng = 93 14 17

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
172.0	007.2590	0192.7	039.8	037.5	000.3175	0166.6	037.6	48.0
173.0	007.0224	0192.7	039.5	036.4	000.3175	0165.9	037.3	48.1
174.0	006.7898	0193.1	039.3	035.4	000.3175	0165.5	037.0	48.2
175.0	006.5610	0194.9	039.2	034.5	000.3175	0165.0	036.7	48.3
176.0	006.3362	0196.0	039.0	033.4	000.3175	0164.5	036.4	48.4
177.0	006.1152	0197.0	038.7	032.4	000.3175	0164.6	036.2	48.6
178.0	005.8982	0197.5	038.5	031.3	000.3175	0165.1	036.0	48.7
179.0	005.6852	0198.1	038.2	030.2	000.3175	0165.3	035.8	48.8
180.0	005.4760	0199.3	038.0	029.1	000.3175	0164.9	035.7	48.8
181.0	005.2998	0200.5	037.9	028.0	000.3175	0164.4	035.5	48.9
182.0	005.1266	0201.7	037.7	026.9	000.3175	0163.9	035.4	48.9
183.0	004.9562	0203.2	037.5	025.9	000.3175	0162.8	035.3	48.9
184.0	004.7886	0204.9	037.4	024.8	000.3175	0161.8	035.2	48.9
185.0	004.6240	0206.1	037.2	023.7	000.3175	0161.4	035.1	48.9
186.0	004.4622	0206.9	037.0	022.6	000.3175	0162.0	035.1	48.9
187.0	004.3034	0205.9	036.6	021.4	000.3175	0164.7	035.3	49.0
188.0	004.1474	0204.1	036.2	020.3	000.3175	0165.4	035.6	48.9
189.0	003.9942	0202.5	035.7	019.1	000.3175	0165.3	035.9	48.7
190.0	003.8440	0201.4	035.3	018.1	000.3175	0165.7	036.2	48.6
191.0	003.8440	0201.2	035.3	017.1	000.3175	0167.3	036.1	48.7
192.0	003.8440	0201.4	035.3	016.1	000.3175	0170.3	036.1	48.9
193.0	003.8440	0201.2	035.3	015.2	000.3175	0173.9	036.0	49.1
194.0	003.8440	0200.5	035.3	014.2	000.3175	0177.1	036.1	49.2
195.0	003.8440	0200.7	035.3	013.2	000.3175	0178.8	036.1	49.3
196.0	003.8440	0201.1	035.3	012.2	000.3175	0178.6	036.1	49.3
197.0	003.8440	0201.1	035.3	011.3	000.3175	0176.4	036.1	49.2
198.0	003.8440	0201.2	035.3	010.3	000.3175	0173.5	036.2	49.0
199.0	003.8440	0201.3	035.3	009.3	000.3175	0170.3	036.3	48.8
200.0	003.8440	0201.2	035.3	008.4	000.3175	0167.7	036.4	48.6
201.0	004.0112	0200.0	035.6	007.4	000.3175	0166.7	036.3	48.6
202.0	004.1820	0198.6	035.8	006.3	000.3175	0167.0	036.2	48.7
203.0	004.3563	0197.4	036.0	005.3	000.3175	0166.8	036.2	48.7
204.0	004.5342	0196.4	036.3	004.2	000.3175	0164.2	036.1	48.6
205.0	004.7156	0195.3	036.5	003.2	000.3175	0160.3	036.2	48.3
206.0	004.9006	0194.5	036.7	002.1	000.3175	0157.2	036.2	48.2
207.0	005.0892	0194.2	037.0	001.0	000.3175	0156.6	036.2	48.1
208.0	005.2813	0194.1	037.3	359.8	000.3175	0156.5	036.2	48.1
209.0	005.4770	0194.0	037.6	358.7	000.3175	0156.3	036.3	48.1

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A6

KLFC - BLED-20020805AAZ
Channel = 201A
Max ERP = 1.8 kW
RCAMSL = 442 M
N. Lat = 36 33 06
W. Lng = 93 14 17

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
358.0	000.3175	0153.2	017.2	199.1	003.8440	0201.3	055.0	53.1
359.0	000.3175	0156.3	017.4	198.8	003.8440	0201.3	054.7	53.2
000.0	000.3175	0156.5	017.4	198.5	003.8440	0201.3	054.6	53.2
001.0	000.3175	0156.6	017.4	198.2	003.8440	0201.2	054.5	53.3
002.0	000.3175	0157.2	017.5	197.9	003.8440	0201.2	054.4	53.3
003.0	000.3175	0160.3	017.7	197.7	003.8440	0201.2	054.1	53.4
004.0	000.3175	0164.2	017.9	197.4	003.8440	0201.1	053.8	53.5
005.0	000.3175	0166.8	018.0	197.1	003.8440	0201.1	053.6	53.6
006.0	000.3175	0167.0	018.1	196.8	003.8440	0201.1	053.5	53.7
007.0	000.3175	0166.7	018.0	196.5	003.8440	0201.1	053.5	53.7
008.0	000.3175	0167.7	018.1	196.1	003.8440	0201.1	053.4	53.7
009.0	000.3175	0170.3	018.2	195.8	003.8440	0201.1	053.2	53.8
010.0	000.3175	0173.5	018.4	195.5	003.8440	0201.1	053.0	53.9
011.0	000.3175	0176.4	018.6	195.2	003.8440	0200.7	052.8	53.9
012.0	000.3175	0178.6	018.7	194.8	003.8440	0200.7	052.7	54.0
013.0	000.3175	0178.8	018.7	194.5	003.8440	0200.5	052.6	54.0
014.0	000.3175	0177.1	018.6	194.1	003.8440	0200.5	052.7	53.9
015.0	000.3175	0173.9	018.4	193.8	003.8440	0200.5	052.9	53.9
016.0	000.3175	0170.3	018.2	193.4	003.8440	0201.2	053.1	53.8
017.0	000.3175	0167.3	018.1	193.1	003.8440	0201.2	053.3	53.7
018.0	000.3175	0165.7	018.0	192.8	003.8440	0201.2	053.4	53.7
019.0	000.3175	0165.3	018.0	192.4	003.8440	0201.4	053.5	53.7
020.0	000.3175	0165.4	018.0	192.1	003.8440	0201.4	053.5	53.7
021.0	000.3175	0164.7	017.9	191.8	003.8440	0201.4	053.6	53.6
022.0	000.3175	0163.3	017.8	191.5	003.8440	0201.2	053.7	53.6
023.0	000.3175	0162.0	017.8	191.2	003.8440	0201.2	053.8	53.5
024.0	000.3175	0161.4	017.7	190.8	003.8440	0201.2	053.9	53.5
025.0	000.3175	0161.8	017.7	190.5	003.8440	0201.2	054.0	53.5
026.0	000.3175	0162.8	017.8	190.2	003.8440	0201.4	054.0	53.5
027.0	000.3175	0163.9	017.9	189.9	003.8659	0201.4	054.0	53.5
028.0	000.3175	0164.4	017.9	189.5	003.9146	0201.4	054.1	53.5
029.0	000.3175	0164.9	017.9	189.2	003.9632	0202.5	054.2	53.6
030.0	000.3175	0165.3	018.0	188.9	004.0112	0202.5	054.3	53.6
031.0	000.3175	0165.1	017.9	188.6	004.0573	0202.5	054.4	53.6
032.0	000.3175	0164.6	017.9	188.3	004.1020	0204.1	054.6	53.7
033.0	000.3175	0164.5	017.9	188.0	004.1474	0204.1	054.7	53.7
034.0	000.3175	0165.0	017.9	187.7	004.1950	0204.1	054.8	53.7

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A7

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

KMST - BMLED-20020910AAD
Channel = 203C1
Max ERP = 100 kW
RCAMSL = 471 M
N. Lat = 37 47 56
W. Lng = 91 43 28

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
033.0	024.7748	0195.5	050.6	253.5	100.0000	0169.6	092.7	53.4
034.0	024.0870	0195.3	050.4	252.9	100.0000	0169.6	092.3	53.5
035.0	023.4090	0195.1	050.1	252.4	100.0000	0168.7	092.0	53.6
036.0	022.7406	0194.6	049.8	251.8	100.0000	0168.7	091.7	53.7
037.0	022.0820	0194.1	049.5	251.3	100.0000	0166.8	091.5	53.7
038.0	021.4330	0193.6	049.2	250.7	100.0000	0166.8	091.3	53.7
039.0	020.7936	0192.9	048.9	250.2	100.0000	0164.5	091.1	53.7
040.0	020.1640	0192.0	048.5	249.6	100.0000	0164.5	091.0	53.7
041.0	020.1356	0191.2	048.4	249.1	100.0000	0162.0	090.7	53.7
042.0	020.1072	0191.1	048.4	248.6	100.0000	0162.0	090.3	53.8
043.0	020.0789	0191.4	048.4	248.1	100.0000	0160.1	089.9	53.9
044.0	020.0506	0191.5	048.4	247.6	100.0000	0160.1	089.6	54.0
045.0	020.0222	0190.8	048.3	247.1	100.0000	0158.1	089.4	54.0
046.0	019.9940	0189.3	048.2	246.6	100.0000	0158.1	089.2	54.0
047.0	019.9657	0187.3	048.0	246.0	100.0000	0155.9	089.1	53.9
048.0	019.9374	0185.5	047.9	245.5	100.0000	0153.1	089.0	53.9
049.0	019.9092	0184.2	047.8	244.9	100.0000	0153.1	088.9	53.9
050.0	019.8810	0183.7	047.7	244.4	100.0000	0150.3	088.7	53.8
051.0	019.9092	0183.2	047.7	243.9	100.0000	0150.3	088.5	53.9
052.0	019.9374	0182.2	047.6	243.3	100.0000	0147.9	088.4	53.8
053.0	019.9657	0180.9	047.5	242.8	100.0000	0147.9	088.4	53.8
054.0	019.9940	0179.5	047.4	242.2	100.0000	0146.3	088.4	53.8
055.0	020.0222	0178.8	047.3	241.7	100.0000	0146.3	088.3	53.8
056.0	020.0506	0178.9	047.4	241.2	100.0000	0145.2	088.2	53.8
057.0	020.0789	0179.3	047.4	240.6	100.0000	0145.2	088.1	53.8
058.0	020.1072	0179.5	047.4	240.1	100.0000	0144.4	088.1	53.8
059.0	020.1356	0179.2	047.4	239.6	100.0000	0144.4	088.1	53.8
060.0	020.1640	0178.6	047.4	239.0	100.0000	0143.3	088.1	53.7
061.0	020.4490	0178.3	047.5	238.5	100.0000	0141.9	088.0	53.7
062.0	020.7360	0178.6	047.6	237.9	100.0000	0141.9	087.9	53.7
063.0	021.0250	0178.9	047.8	237.4	100.0000	0140.5	087.9	53.7
064.0	021.3160	0178.8	047.9	236.8	100.0000	0140.5	087.9	53.7
065.0	021.6090	0178.2	048.0	236.3	100.0000	0139.7	087.9	53.6
066.0	021.9040	0177.9	048.1	235.7	100.0000	0139.7	088.0	53.6
067.0	022.2010	0178.1	048.2	235.2	100.0000	0140.0	088.0	53.6
068.0	022.5000	0178.5	048.4	234.6	100.0000	0140.0	088.0	53.6
069.0	022.8010	0179.0	048.5	234.1	100.0000	0141.2	088.1	53.6
070.0	023.1040	0178.8	048.6	233.5	100.0000	0141.2	088.2	53.6

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A8

KMST - BMLED-20020910AAD
Channel = 203C1
Max ERP = 100 kW
RCAMSL = 471 M
N. Lat = 37 47 56
W. Lng = 91 43 28

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
225.0	100.0000	0146.4	058.0	069.3	022.8779	0179.0	081.0	51.0
226.0	100.0000	0147.3	058.1	068.6	022.6896	0179.0	080.5	51.1
227.0	100.0000	0148.7	058.3	068.0	022.5027	0178.5	079.9	51.2
228.0	100.0000	0150.1	058.5	067.4	022.3114	0178.1	079.4	51.3
229.0	100.0000	0150.7	058.6	066.7	022.1083	0178.1	079.0	51.4
230.0	100.0000	0150.4	058.5	066.0	021.8944	0177.9	078.7	51.5
231.0	100.0000	0148.6	058.3	065.2	021.6694	0178.2	078.6	51.4
232.0	100.0000	0146.2	058.0	064.4	021.4409	0178.8	078.7	51.4
233.0	100.0000	0143.6	057.6	063.7	021.2150	0178.8	078.8	51.3
234.0	100.0000	0141.2	057.3	062.9	020.9939	0178.9	079.0	51.2
235.0	100.0000	0140.0	057.1	062.2	020.7807	0178.6	079.0	51.2
236.0	100.0000	0139.7	057.1	061.4	020.5727	0178.3	078.9	51.1
237.0	100.0000	0140.5	057.2	060.7	020.3676	0178.3	078.7	51.2
238.0	100.0000	0141.9	057.4	060.0	020.1638	0178.6	078.5	51.2
239.0	100.0000	0143.3	057.6	059.3	020.1431	0179.2	078.2	51.3
240.0	100.0000	0144.4	057.7	058.5	020.1221	0179.2	078.1	51.3
241.0	100.0000	0145.2	057.8	057.8	020.1010	0179.5	078.0	51.4
242.0	100.0000	0146.3	058.0	057.0	020.0798	0179.3	077.9	51.4
243.0	100.0000	0147.9	058.2	056.3	020.0583	0178.9	077.8	51.4
244.0	100.0000	0150.3	058.5	055.5	020.0363	0178.8	077.6	51.5
245.0	100.0000	0153.1	058.9	054.7	020.0139	0178.8	077.4	51.5
246.0	100.0000	0155.9	059.2	053.9	019.9913	0179.5	077.3	51.6
247.0	100.0000	0158.1	059.5	053.1	019.9688	0180.9	077.2	51.7
248.0	100.0000	0160.1	059.7	052.3	019.9464	0182.2	077.2	51.7
249.0	100.0000	0162.0	060.0	051.5	019.9239	0182.2	077.3	51.7
250.0	100.0000	0164.5	060.3	050.7	019.9012	0183.2	077.3	51.7
251.0	100.0000	0166.8	060.5	049.9	019.8835	0183.7	077.4	51.7
252.0	100.0000	0168.7	060.7	049.1	019.9056	0184.2	077.6	51.7
253.0	100.0000	0169.6	060.8	048.4	019.9267	0185.5	078.0	51.6
254.0	100.0000	0169.6	060.8	047.7	019.9467	0185.5	078.4	51.5
255.0	100.0000	0169.2	060.8	047.0	019.9659	0187.3	078.9	51.4
256.0	100.0000	0168.1	060.7	046.4	019.9838	0189.3	079.5	51.3
257.0	100.0000	0167.9	060.6	045.7	020.0023	0189.3	080.1	51.1
258.0	100.0000	0168.6	060.7	045.0	020.0213	0190.8	080.6	51.0
259.0	100.0000	0169.3	060.8	044.4	020.0400	0191.5	081.1	50.9
260.0	100.0000	0169.9	060.9	043.7	020.0581	0191.5	081.6	50.7
261.0	100.0000	0170.8	061.0	043.1	020.0762	0191.4	082.2	50.5
262.0	100.0000	0171.8	061.1	042.5	020.0941	0191.1	082.8	50.3

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A9

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

Diamond - BNPED-20071022BAL
Channel = 201A
Max ERP = 4.4 kW
RCAMSL = 423 M
N. Lat = 37 04 34
W. Lng = 94 06 28

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
244.0	027.0862	0204.3	052.2	103.9	000.3428	0046.8	049.3	34.2
245.0	028.3589	0205.0	052.7	103.4	000.3351	0047.2	048.4	34.4
246.0	029.6609	0205.9	053.1	102.9	000.3270	0047.2	047.4	34.6
247.0	030.9921	0206.9	053.6	102.3	000.3182	0047.6	046.5	34.8
248.0	032.3524	0208.0	054.1	101.7	000.3086	0047.6	045.5	34.9
249.0	033.7421	0209.2	054.6	101.0	000.2984	0048.0	044.6	35.1
250.0	035.1609	0210.3	055.0	100.2	000.2874	0048.5	043.7	35.3
251.0	035.6308	0211.6	055.3	099.3	000.2756	0048.9	043.0	35.4
252.0	036.1038	0212.8	055.5	098.3	000.2641	0049.2	042.4	35.5
253.0	036.5799	0214.1	055.7	097.2	000.2523	0049.8	041.8	35.6
254.0	037.0591	0215.5	056.0	096.1	000.2403	0050.7	041.2	35.8
255.0	037.5415	0216.8	056.2	094.9	000.2280	0051.6	040.6	35.9
256.0	038.0269	0218.1	056.4	093.7	000.2154	0052.5	040.1	36.0
257.0	038.5156	0218.9	056.6	092.4	000.2026	0053.2	039.6	36.0
258.0	039.0072	0219.7	056.8	091.1	000.1897	0053.6	039.2	35.9
259.0	039.5020	0220.7	057.0	089.7	000.1786	0054.3	038.8	35.9
260.0	040.0000	0221.9	057.2	088.3	000.1742	0056.0	038.4	36.2
261.0	040.0000	0223.2	057.3	086.8	000.1696	0056.8	038.1	36.3
262.0	040.0000	0225.2	057.5	085.3	000.1650	0058.8	037.9	36.5
263.0	040.0000	0226.7	057.6	083.8	000.1603	0059.9	037.7	36.6
264.0	040.0000	0227.7	057.7	082.3	000.1557	0062.2	037.6	36.8
265.0	040.0000	0228.6	057.7	080.7	000.1511	0063.4	037.6	36.8
266.0	040.0000	0228.4	057.7	079.2	000.1482	0065.7	037.7	37.0
267.0	040.0000	0227.8	057.7	077.7	000.1467	0066.5	037.9	36.9
268.0	040.0000	0227.5	057.7	076.2	000.1453	0067.8	038.1	37.0
269.0	040.0000	0227.2	057.6	074.7	000.1439	0068.2	038.3	36.9
270.0	040.0000	0226.9	057.6	073.3	000.1425	0068.9	038.6	36.8
271.0	040.0000	0226.6	057.6	071.9	000.1412	0069.3	038.9	36.7
272.0	040.0000	0226.3	057.6	070.5	000.1399	0070.2	039.3	36.6
273.0	040.0000	0225.9	057.5	069.2	000.1394	0071.9	039.7	36.6
274.0	040.0000	0225.7	057.5	067.9	000.1394	0072.7	040.1	36.5
275.0	040.0000	0225.8	057.5	066.6	000.1394	0073.5	040.6	36.4
276.0	040.0000	0225.7	057.5	065.4	000.1394	0075.6	041.1	36.4
277.0	040.0000	0225.8	057.5	064.2	000.1394	0076.9	041.6	36.4
278.0	040.0000	0225.9	057.5	063.0	000.1394	0078.5	042.1	36.3
279.0	040.0000	0225.9	057.5	061.9	000.1394	0080.1	042.7	36.3
280.0	040.0000	0226.4	057.6	060.8	000.1394	0081.5	043.3	36.2
281.0	040.0000	0227.3	057.6	059.7	000.1399	0082.4	043.9	36.1

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A10

Diamond - BNPED-20071022BAL
Channel = 201A
Max ERP = 4.4 kW
RCAMSL = 423 M
N. Lat = 37 04 34
W. Lng = 94 06 28

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

Protected
60 dBu

Interfering
54 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
053.0	000.1529	0080.3	010.3	267.1	040.0000	0227.8	086.5	53.5
054.0	000.1509	0080.6	010.3	267.0	040.0000	0227.8	086.4	53.6
055.0	000.1490	0081.1	010.3	266.9	040.0000	0227.8	086.3	53.6
056.0	000.1470	0081.7	010.3	266.8	040.0000	0227.8	086.2	53.6
057.0	000.1451	0082.3	010.3	266.7	040.0000	0227.8	086.1	53.7
058.0	000.1432	0082.8	010.3	266.6	040.0000	0227.8	086.0	53.7
059.0	000.1413	0082.8	010.3	266.5	040.0000	0228.4	086.0	53.7
060.0	000.1394	0082.4	010.2	266.4	040.0000	0228.4	086.0	53.7
061.0	000.1394	0081.5	010.1	266.2	040.0000	0228.4	085.9	53.7
062.0	000.1394	0080.1	010.1	266.1	040.0000	0228.4	085.9	53.7
063.0	000.1394	0078.5	010.0	266.0	040.0000	0228.4	086.0	53.7
064.0	000.1394	0076.9	009.9	265.8	040.0000	0228.4	086.0	53.7
065.0	000.1394	0075.6	009.8	265.7	040.0000	0228.4	086.0	53.7
066.0	000.1394	0074.5	009.7	265.6	040.0000	0228.4	086.0	53.7
067.0	000.1394	0073.5	009.7	265.5	040.0000	0228.6	086.0	53.7
068.0	000.1394	0072.7	009.6	265.3	040.0000	0228.6	086.0	53.7
069.0	000.1394	0071.9	009.5	265.2	040.0000	0228.6	086.0	53.7
070.0	000.1394	0071.1	009.5	265.1	040.0000	0228.6	086.0	53.7
071.0	000.1404	0070.2	009.5	265.0	040.0000	0228.6	086.0	53.7
072.0	000.1413	0069.3	009.4	264.9	040.0000	0228.6	086.0	53.7
073.0	000.1422	0068.9	009.4	264.8	040.0000	0228.6	086.0	53.7
074.0	000.1432	0068.6	009.4	264.7	040.0000	0228.6	086.0	53.7
075.0	000.1441	0068.2	009.4	264.6	040.0000	0228.6	086.0	53.7
076.0	000.1451	0067.8	009.4	264.5	040.0000	0227.7	085.9	53.7
077.0	000.1461	0067.2	009.4	264.3	040.0000	0227.7	086.0	53.7
078.0	000.1470	0066.5	009.3	264.2	040.0000	0227.7	086.0	53.7
079.0	000.1480	0065.7	009.3	264.1	040.0000	0227.7	086.0	53.7
080.0	000.1490	0064.7	009.2	264.0	040.0000	0227.7	086.0	53.7
081.0	000.1519	0063.4	009.2	263.9	040.0000	0227.7	086.1	53.7
082.0	000.1549	0062.2	009.2	263.8	040.0000	0227.7	086.1	53.7
083.0	000.1578	0061.0	009.1	263.7	040.0000	0227.7	086.1	53.7
084.0	000.1609	0059.9	009.1	263.6	040.0000	0227.7	086.2	53.6
085.0	000.1639	0058.8	009.1	263.5	040.0000	0226.7	086.2	53.6
086.0	000.1670	0057.8	009.0	263.4	040.0000	0226.7	086.2	53.6
087.0	000.1701	0056.8	009.0	263.3	040.0000	0226.7	086.3	53.6
088.0	000.1732	0056.0	009.0	263.2	040.0000	0226.7	086.3	53.6
089.0	000.1764	0055.1	008.9	263.1	040.0000	0226.7	086.4	53.5

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A11

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

KBJQ - BMLED-20040507AAH
Channel = 202C2
Max ERP = 36 kW
RCAMSL = 411 M
N. Lat = 37 53 56
W. Lng = 95 00 09

Protected
60 dBu

Interfering
40 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
273.0	040.0000	0225.9	057.5	123.5	036.0000	0149.3	139.2	38.3
274.0	040.0000	0225.7	057.5	123.1	036.0000	0149.3	138.7	38.4
275.0	040.0000	0225.8	057.5	122.7	036.0000	0149.3	138.2	38.5
276.0	040.0000	0225.7	057.5	122.4	036.0000	0148.1	137.7	38.5
277.0	040.0000	0225.8	057.5	122.0	036.0000	0148.1	137.3	38.6
278.0	040.0000	0225.9	057.5	121.6	036.0000	0148.1	136.8	38.7
279.0	040.0000	0225.9	057.5	121.2	036.0000	0146.9	136.4	38.7
280.0	040.0000	0226.4	057.6	120.9	036.0000	0146.9	136.0	38.8
281.0	040.0000	0227.3	057.6	120.5	036.0000	0145.8	135.6	38.9
282.0	040.0000	0228.4	057.7	120.1	036.0000	0145.8	135.2	39.0
283.0	040.0000	0229.3	057.8	119.7	036.0000	0145.8	134.8	39.0
284.0	040.0000	0229.8	057.8	119.3	036.0000	0144.7	134.4	39.1
285.0	040.0000	0229.4	057.8	118.9	036.0000	0144.7	134.2	39.1
286.0	040.0000	0228.1	057.7	118.4	036.0000	0143.6	134.1	39.1
287.0	040.0000	0226.4	057.6	118.0	036.0000	0143.6	134.0	39.1
288.0	040.0000	0224.9	057.4	117.6	036.0000	0143.6	133.9	39.2
289.0	040.0000	0223.7	057.3	117.1	036.0000	0142.3	133.8	39.1
290.0	040.0000	0222.7	057.3	116.7	036.0000	0142.3	133.8	39.1
291.0	040.0000	0221.5	057.2	116.3	036.0000	0141.2	133.8	39.1
292.0	040.0000	0220.0	057.0	115.8	036.0000	0141.2	133.8	39.1
293.0	040.0000	0218.7	056.9	115.4	036.0000	0140.4	133.8	39.1
294.0	040.0000	0217.7	056.8	115.0	036.0000	0140.4	133.9	39.1
295.0	040.0000	0217.0	056.8	114.6	036.0000	0140.4	133.9	39.1
296.0	040.0000	0216.1	056.7	114.1	036.0000	0139.9	134.0	39.0
297.0	040.0000	0214.8	056.6	113.7	036.0000	0139.9	134.1	39.0
298.0	040.0000	0213.3	056.5	113.3	036.0000	0139.2	134.3	39.0
299.0	040.0000	0212.0	056.4	112.9	036.0000	0139.2	134.5	38.9
300.0	040.0000	0211.0	056.3	112.5	036.0000	0138.2	134.7	38.9
301.0	040.0000	0210.4	056.2	112.0	036.0000	0138.2	134.9	38.8
302.0	040.0000	0209.9	056.2	111.6	036.0000	0138.2	135.1	38.8
303.0	040.0000	0209.1	056.1	111.2	036.0000	0137.3	135.3	38.7
304.0	040.0000	0208.4	056.0	110.8	036.0000	0137.3	135.6	38.7
305.0	040.0000	0208.1	056.0	110.4	036.0000	0136.4	135.8	38.6
306.0	040.0000	0207.6	056.0	110.0	036.0000	0136.4	136.1	38.5
307.0	040.0000	0207.1	055.9	109.6	035.5963	0136.4	136.4	38.4
308.0	040.0000	0206.4	055.9	109.3	035.1591	0135.6	136.7	38.3
309.0	040.0000	0205.5	055.8	108.9	034.7328	0135.6	137.1	38.1
310.0	040.0000	0204.7	055.7	108.5	034.3154	0135.6	137.5	38.0

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A12

KBJQ - BMLED-20040507AAH
Channel = 202C2
Max ERP = 36 kW
RCAMSL = 411 M
N. Lat = 37 53 56
W. Lng = 95 00 09

KWND - Proposed
Channel = 202C1
Max ERP = 40 kW
RCAMSL = 619 M
N. Lat = 37 10 30
W. Lng = 93 02 35

Protected
60 dBu

Interfering
40 dBu

30 second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
103.0	028.4324	0130.0	044.4	299.0	040.0000	0212.0	147.8	38.7
104.0	029.4588	0131.2	044.9	298.7	040.0000	0212.0	147.2	38.8
105.0	030.5035	0132.3	045.3	298.5	040.0000	0213.3	146.6	38.9
106.0	031.5664	0133.2	045.8	298.2	040.0000	0213.3	146.0	39.0
107.0	032.6475	0134.0	046.2	297.9	040.0000	0213.3	145.5	39.1
108.0	033.7468	0134.8	046.6	297.6	040.0000	0213.3	144.9	39.2
109.0	034.8643	0135.6	047.0	297.3	040.0000	0214.8	144.4	39.4
110.0	036.0000	0136.4	047.4	297.0	040.0000	0214.8	143.9	39.4
111.0	036.0000	0137.3	047.5	296.7	040.0000	0214.8	143.7	39.5
112.0	036.0000	0138.2	047.6	296.4	040.0000	0216.1	143.5	39.5
113.0	036.0000	0139.2	047.8	296.0	040.0000	0216.1	143.4	39.6
114.0	036.0000	0139.9	047.8	295.7	040.0000	0216.1	143.3	39.6
115.0	036.0000	0140.4	047.9	295.4	040.0000	0217.0	143.2	39.6
116.0	036.0000	0141.2	048.0	295.0	040.0000	0217.0	143.1	39.7
117.0	036.0000	0142.3	048.2	294.7	040.0000	0217.0	143.0	39.7
118.0	036.0000	0143.6	048.4	294.3	040.0000	0217.7	142.9	39.7
119.0	036.0000	0144.7	048.5	294.0	040.0000	0217.7	142.8	39.7
120.0	036.0000	0145.8	048.7	293.6	040.0000	0217.7	142.7	39.7
121.0	036.0000	0146.9	048.8	293.3	040.0000	0218.7	142.7	39.8
122.0	036.0000	0148.1	049.0	292.9	040.0000	0218.7	142.7	39.8
123.0	036.0000	0149.3	049.2	292.6	040.0000	0218.7	142.7	39.8
124.0	036.0000	0150.1	049.3	292.2	040.0000	0220.0	142.7	39.8
125.0	036.0000	0150.5	049.3	291.9	040.0000	0220.0	142.9	39.8
126.0	036.0000	0150.4	049.3	291.6	040.0000	0220.0	143.1	39.7
127.0	036.0000	0150.1	049.3	291.2	040.0000	0221.5	143.4	39.7
128.0	036.0000	0149.5	049.2	290.9	040.0000	0221.5	143.7	39.6
129.0	036.0000	0149.0	049.1	290.6	040.0000	0221.5	144.1	39.6
130.0	036.0000	0148.5	049.1	290.3	040.0000	0222.7	144.4	39.5
131.0	036.0000	0148.1	049.0	290.0	040.0000	0222.7	144.8	39.5
132.0	036.0000	0147.8	048.9	289.7	040.0000	0222.7	145.2	39.4
133.0	036.0000	0147.5	048.9	289.4	040.0000	0223.7	145.5	39.3
134.0	036.0000	0147.5	048.9	289.1	040.0000	0223.7	145.9	39.3
135.0	036.0000	0147.5	048.9	288.8	040.0000	0223.7	146.3	39.2
136.0	036.0000	0147.6	048.9	288.5	040.0000	0224.9	146.7	39.2
137.0	036.0000	0147.8	048.9	288.2	040.0000	0224.9	147.1	39.1
138.0	036.0000	0147.9	049.0	287.9	040.0000	0224.9	147.5	39.0
139.0	036.0000	0147.6	048.9	287.6	040.0000	0224.9	148.0	38.9
140.0	036.0000	0147.1	048.9	287.3	040.0000	0226.4	148.5	38.9

MODIFY BPED-20070330BHS
RADIO TRAINING NETWORK, INC.
KWND RADIO STATION
CH 202C1 - 88.3 MHZ - 40.0 KW (DA)
SPRINGFIELD, MISSOURI
June 2009

EXHIBIT A13

Predicted Contour:

N. Lat. = 37 10 30.0 - Tabulated Protected and Interfering Contour Data
W. Lng. = 93 02 35.0 - KWND Radio Station - Springfield, Missouri

HAAT and Distance to Contour - FCC Method - NGDC 30 Second terrain database

Azi.	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	200.1	40.0000	16.02	1.000	55.34	139.17	81.77	6.43
010	207.7	40.0000	16.02	1.000	55.99	140.09	82.70	6.54
020	205.3	31.6840	15.01	0.890	53.68	134.52	79.26	6.10
030	199.7	26.8960	14.30	0.820	51.74	130.20	76.39	5.76
040	191.7	20.1640	13.05	0.710	48.49	122.90	71.58	5.21
050	183.4	19.8810	12.98	0.705	47.67	121.60	70.35	5.10
060	178.3	20.1640	13.05	0.710	47.36	121.28	69.88	5.06
070	178.5	23.1040	13.64	0.760	48.59	124.31	71.70	5.27
080	167.8	35.3440	15.48	0.940	51.29	132.43	75.91	5.76
090	158.8	40.0000	16.02	1.000	51.33	133.98	76.31	5.79
100	149.0	40.0000	16.02	1.000	50.06	132.66	74.85	5.61
110	162.1	40.0000	16.02	1.000	51.73	134.41	76.78	5.85
120	171.0	40.0000	16.02	1.000	52.73	135.57	78.02	6.00
130	173.2	40.0000	16.02	1.000	52.96	135.84	78.31	6.03
140	173.4	30.2037	14.80	0.869	50.48	129.64	74.55	5.60
150	178.0	19.1452	12.82	0.692	46.87	120.09	69.16	4.98
160	185.5	12.1000	10.83	0.550	43.53	111.21	64.20	4.41
170	191.1	7.7440	8.89	0.440	40.22	103.76	59.42	3.89
180	199.0	5.4760	7.38	0.370	38.01	99.21	56.33	3.53
190	201.1	3.8440	5.85	0.310	35.31	94.20	52.61	3.15
200	200.9	3.8440	5.85	0.310	35.29	94.18	52.59	3.15
210	194.1	5.6762	7.54	0.377	37.91	99.16	56.17	3.54
220	198.5	8.9549	9.52	0.473	42.01	107.12	62.01	4.13
230	193.2	14.1273	11.50	0.594	45.47	115.43	67.14	4.70
240	202.1	22.2874	13.48	0.746	50.24	126.31	74.18	5.49
250	210.0	35.1609	15.46	0.938	55.02	137.43	81.24	6.35
260	221.6	40.0000	16.02	1.000	57.17	141.77	84.35	6.76
270	226.6	40.0000	16.02	1.000	57.58	142.36	84.91	6.83
280	226.1	40.0000	16.02	1.000	57.54	142.30	84.85	6.82
290	222.4	40.0000	16.02	1.000	57.23	141.86	84.44	6.77
300	210.7	40.0000	16.02	1.000	56.25	140.46	83.07	6.59
310	204.4	40.0000	16.02	1.000	55.71	139.69	82.30	6.49
320	196.0	40.0000	16.02	1.000	54.99	138.66	81.26	6.37
330	189.0	40.0000	16.02	1.000	54.39	137.80	80.38	6.27
340	198.3	40.0000	16.02	1.000	55.18	138.94	81.55	6.40
350	197.6	40.0000	16.02	1.000	55.12	138.85	81.45	6.39

AMSL= 618.7 M