

Technical Exhibit  
Minor Change in KQOH  
Marshfield, MO  
1.511 kW 204.4m HAAT  
160.3m AGL

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### Predicted Coverage Contours

The proposed HAAT and the predicted 60 dBu contours were calculated in accordance with Section 47 C.F.R. 73.313. The average terrain elevations were calculated along 8 radials using the NED 03 Sec terrain database.

All contours displayed in exhibits are plotted every degree in accordance with the propagation prediction curves of Section 73.333.

### Interference Compliance

Required spacing to I.F. and/or channels 221-223 is shown in Figure 1. Contour protection, as required by C.F.R. Section 73.509 to co-channel and first, second and third adjacent channels is demonstrated herein by Figures 1 and 2. Distances are rounded.

### Contour Protection

Section 73.207 requires a minimum spacing of 72 kM between Class A facilities separated by 200 kHz. Contour protection according to 47 C.F.R. 73.215 has been elected with respect to KKOZ-FM, Ava, MO. Actual separation is 66.5 kM. A minimum distance separation of 49 kM is required according to Section 73.215. Figures 2-2 to 2-3 demonstrate compliance with Section 73.215 with respect to KKOZ-FM as a maximum Class A facility.

### RF Electromagnetic Exposure Analysis

Using a worst case assumption of maximum downward radiation ( $F=1.0$ ) the RF exposure at 2 m above ground level is  $4.02764 \mu\text{W}/\text{sq cm}$  or 0.4% of the controlled standard. This is insignificant when added to the existing RF on the tower.

The tower is fenced with RF warning signs. The power will be reduced or shut off to allow necessary access to the tower.

Minor Change in KQOH  
Figure 1

REFERENCE		CH#	220A - 91.9 MHz, Pwr= 1.511 kW DA, HAAT= 204.2 M, COR= 589.8 M					DISPLAY DATES			
37 22 18.3 N.			Average Protected F(50-50)= 28.48 km					DATA 02-11-14			
93 09 40.9 W.			Standard Directional					SEARCH 02-19-14			
CH CITY	CALL	TYPE STATE	ANT AZI ---	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*	
220A Marshfield	KQOH	CP_ZCX MO	0.0 0.0	0.00 BPED20131223ADA	37 22 18.3 93 09 40.9	2.995 144	70.4 530	23.4 Catholic Radio Network, In	-93.4*	-92.3*	
220A Marshfield	KQOH	LIC_NCX MO	109.2 289.3	18.46 BLED20040423AAW	37 19 01.0 92 57 51.0	1.750 76	68.9 490	21.9 Catholic Radio Network, In	-78.9*	-85.0*	
219C3 Camdenton	KCV0-FM	LIC_CN MO	26.1 206.4	80.38 BLED19930420KE	38 01 13.0 92 45 27.0	10.000 133	56.3 402	37.1 Lake Area Educational Broa	0.7	7.2	
221A Ava	KKOZ-FM^	LIC_CN MO	137.4 317.8	66.50 BMLH19970905KA	36 55 48.0 92 39 19.0	6.000 100	38.7 455	24.0 Corum Industries, Inc.	1.6	1.5	
220A Harrison	KBPB	LIC_ZC_ AR	182.8 2.8	111.50 BLED20010503AAM	36 22 12.0 93 13 23.0	5.500 104	48.3 476	12.8 New Life Evangelistic Cent	37.2	18.0	
219A Point Lookout	KCOZ	LIC_CN MO	184.7 4.7	84.88 BLED19950126KA	36 36 39.0 93 14 23.0	0.200 57	16.3 361	11.0 College Of The Ozarks	42.5	33.1	
221A Dixon	KCVZ«	LIC_CX MO	52.6 233.2	109.74 BLED20030715ABF	37 57 59.0 92 10 03.0	6.000 100	44.5 389	28.8 Lake Area Educational Broa	71.5R	38.2M	
219C3 Neosho	KNEO	LIC_CX MO	244.8 64.0	126.60 BLED20081010ARQ	36 52 49.0 94 26 59.0	14.000 114	56.8 443	36.8 Sky High Broadcasting Corp	40.5	46.1	
223C0 Joplin	KSYN«	LIC_NCX MO	256.7 75.8	128.98 BLH20060106ABP	37 05 49.0 94 34 25.0	100.000 300	9.7 584	70.4 Zimmer Radio, Inc.	85.5R	43.5M	
223A Mountain Grove	KELE-FM«	LIC_CN MO	107.8 288.3	85.02 BMLH19970626KC	37 08 07.0 92 14 59.0	3.000 91	2.1 500	22.5 Ozark Media, Inc.	30.5R	54.5M	
223A Mountain Grove	KELE-FM«	RSV-A __N MO	107.8 288.3	85.02	37 08 07.0 92 14 59.0	6.000 100	2.6 511	27.8 Ozark Media, Inc.	30.5R	54.5M	
220A Cuba	KNLQ	LIC_ZCX MO	64.1 245.2	172.92 BLED20040203ABJ	38 02 14.0 91 23 04.0	5.000 76	75.2 353	22.4 New Life Evangelistic Cent	69.2	67.1	
221C3 Fayetteville	KQSM-FM«	LIC_NCN AR	208.3 27.8	156.67 BLH19960202KA	36 07 38.0 93 59 23.0	7.600 162	56.5 562	38.0 Cumulus Licensing Lic	88.5R	68.2M	
221A Butler	KMOE«	LIC_CN MO	314.1 133.4	141.13 BLH19900814KB	38 14 56.0 94 19 18.0	4.700 45	22.0 298	14.8 Bates County Broadcasting	71.5R	69.6M	
274A Lake Ozark	KQUL«	LIC_CN MO	34.8 215.1	89.94 BLH19940516KZ	38 02 06.0 92 34 31.0	6.000 100	85.6 357	29.7 Benne Broadcasting Co. Of	9.5R	80.4M	
219C2 Salem	KCVX	LIC_DEX MO	79.2 260.2	144.82 BLED20130403AAK	37 36 16.0 91 32 46.0	30.000 64	29.6 438	20.3 Lake Area Educational Broa	87.2	81.4	
220C1 Jonesboro	KASU	LIC_DCN AR	125.8 307.3	276.32 BLED19940314KB	35 53 27.0 90 40 26.0	100.000 210	162.8 305	64.6 Arkansas State University	84.9	131.8	
220C3 Liberty	KWJC	LIC_DCX MO	331.5 150.8	222.30 BLED20090528AKW	39 07 23.0 94 23 24.0	7.000 190	101.8 440	39.1 William Jewell College	88.8	96.5	
218C2 Mountain Home	KCMH	LIC_V_ AR	151.5 332.0	138.90 BLED20000911AAQ	36 16 17.0 92 25 20.0	26.000 144	4.3 354	40.9 Christian Broadcasting Gro	108.9	94.3	
217C0 Fayetteville	KUAF	LIC_DC_ AR	204.8 24.3	185.59 BLED20010813AAD	35 51 12.0 94 01 32.0	100.000 332	10.1 875	74.5 Board Of Trustees Of The U	147.9	106.6	
220A La Harpe	KTRU	LIC_CX KS	289.2 107.8	205.05 BLED20111003ABA	37 57 24.1 95 22 15.7	0.750 66	44.0 372	12.4 Grace Public Radi o	129.8	106.6	
273C1 Joplin	KIXQ«	LIC_CX MO	256.7 75.8	128.98 BLH20060106ABQ	37 05 49.0 94 34 25.0	100.000 278	85.6 562	29.7 Zimmer Radio, Inc.	21.5R	107.5M	
221C3 Clinton	KHPQ«	LIC_NCN AR	161.7 342.1	201.81 BLH19940712KZ	35 38 37.0 92 27 33.0	10.000 156	34.0 439	22.4 King-sullivan Radi o	88.5R	113.3M	
217C1 Columbia	KBIA	LIC_CN MO	24.7 205.3	185.94 BLED959	38 53 16.0 92 15 48.0	100.000 186	8.0 425	63.1 The Curators Of The Univer	154.2	120.2	
222A Sedalia	AL9782«	RSV-A __N MO	357.9 177.9	150.98 RM9687	38 43 52.0 93 13 32.0	6.000 100	2.6 350	25.6 30.5R	120.5M		

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	Page # 2 *IN* (Overlap in km)	*OUT*
222A Sedalia	KSDL«	LIC _CX MO		357.9 177.9	151.32 BLH20060201BBK	38 44 03.0 93 13 31.0	6.000 89	2.4 334	23.1 Townsquare Media	30.5R	120.8M Sedalia L
273C2 West Plains	KKDY«	LIC _CN MO		123.7 304.4	135.69 BLH19900125KB	36 41 22.0 91 53 45.0	50.000 148	85.6 462	29.7 Central Ozark Radio Networ	14.5R	121.2M

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM.  
In & Out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.  
All separation margins (if shown) include rounding

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.

« = Station meets FCC minimum distance spacing for its class.

^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements

Minor Change in KQOH  
Figure 2

FMCommander Single Allocation Study - 06-10-2014 - NED 03 SEC  
KQOH's Overlaps (In= 0.71 km, Out= 7.22 km)

KQOH CH 220 A DA  
Lat= 37 22 18.3, Lng= 93 09 40.9  
1.511 kW 204.2 M HAAT, 589.8 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

KCVO-FM CH 219 C3 BLED19930420KE  
Lat= 38 01 13.0, Lng= 92 45 27.0  
10.0 kW 133 M HAAT, 402 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

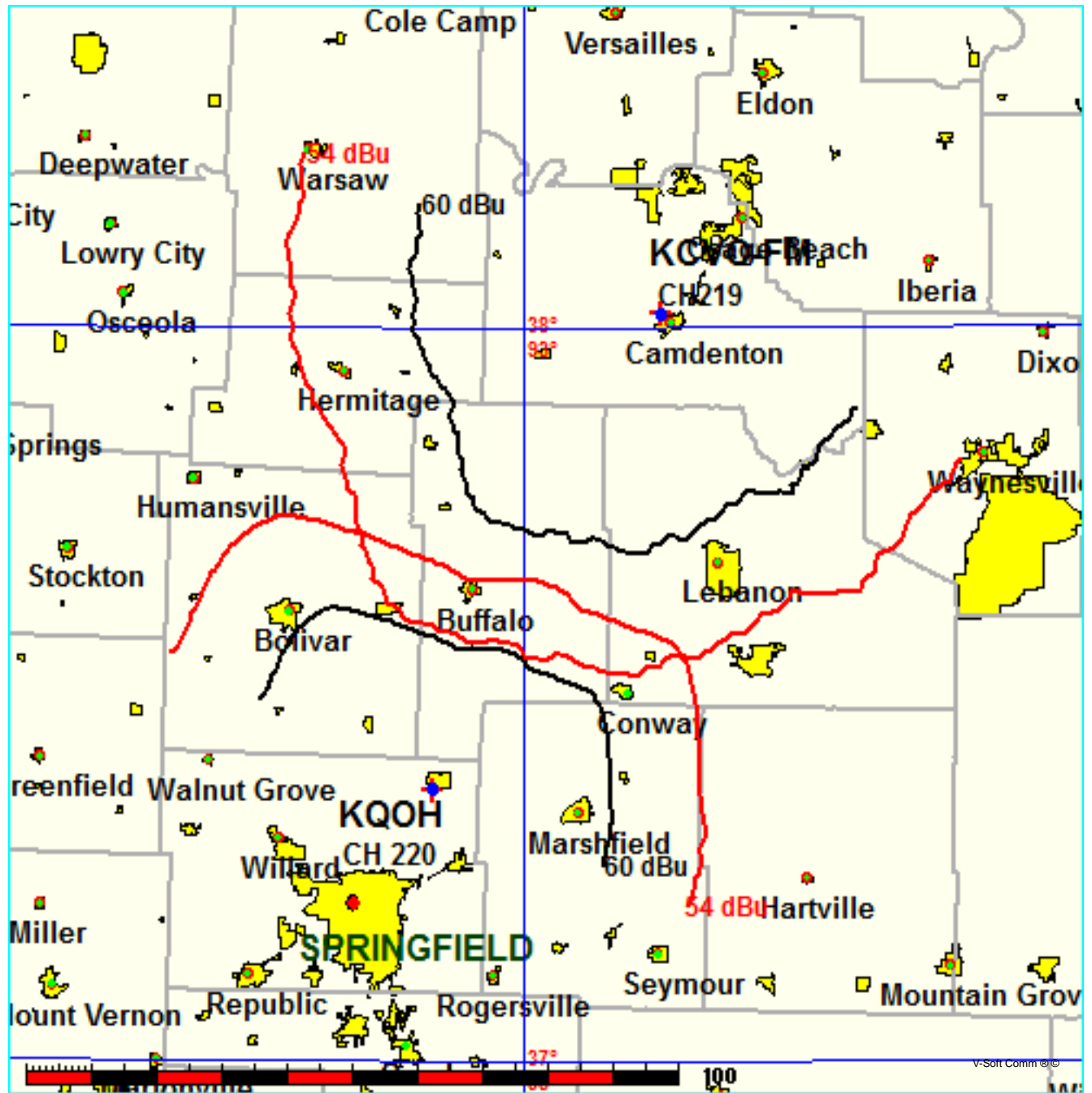


Figure 2-1

06-10-2014

Terrain Data: NED 03 SEC

FMOver Analysis

KQOH

KCV0-FM BLED19930420KE

Channel = 220A  
 Max ERP = 1.511 kW  
 RCAMSL = 589.8 M  
 N. Lat. 37 22 18.3  
 W. Lng. 93 09 40.9  
 Protected  
 60 dBu

Channel = 219C3  
 Max ERP = 10 kW  
 RCAMSL = 402 M  
 N. Lat. 38 01 13.0  
 W. Lng. 92 45 27.0  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
296.0	001.5110	0225.5	029.9	226.8	010.0000	0168.6	085.8	45.44	
297.0	001.5110	0224.3	029.9	226.8	010.0000	0168.8	085.3	45.61	
298.0	001.5110	0222.0	029.7	226.9	010.0000	0168.9	084.8	45.78	
299.0	001.5110	0218.9	029.5	226.8	010.0000	0168.8	084.2	45.94	
300.0	001.5110	0218.1	029.4	226.9	010.0000	0169.1	083.7	46.12	
301.0	001.5110	0218.9	029.5	227.0	010.0000	0169.4	083.2	46.28	
302.0	001.5110	0218.5	029.5	227.1	010.0000	0169.5	082.7	46.44	
303.0	001.5110	0221.9	029.7	227.4	010.0000	0170.6	082.3	46.62	
304.0	001.5110	0223.2	029.8	227.5	010.0000	0171.6	081.8	46.81	
305.0	001.5110	0224.9	029.9	227.7	010.0000	0172.7	081.3	47.01	
306.0	001.5110	0227.6	030.1	227.9	010.0000	0172.5	080.8	47.15	
307.0	001.5110	0227.3	030.1	227.9	010.0000	0172.1	080.3	47.30	
308.0	001.5110	0227.6	030.1	228.0	010.0000	0171.6	079.8	47.44	
309.0	001.5110	0230.6	030.3	228.2	010.0000	0170.4	079.3	47.54	
310.0	001.5110	0234.0	030.5	228.4	010.0000	0168.8	078.8	47.62	
311.0	001.5110	0237.4	030.7	228.6	010.0000	0166.8	078.3	47.70	
312.0	001.5110	0239.5	030.9	228.8	010.0000	0165.2	077.8	47.79	
313.0	001.5110	0241.5	031.0	228.9	010.0000	0163.9	077.3	47.90	
314.0	001.5110	0243.4	031.1	229.0	010.0000	0162.6	076.8	48.01	
315.0	001.5110	0244.6	031.2	229.1	010.0000	0161.7	076.2	48.14	
316.0	001.5110	0245.9	031.2	229.2	010.0000	0160.8	075.7	48.27	
317.0	001.5110	0248.2	031.4	229.3	010.0000	0159.7	075.1	48.39	
318.0	001.5110	0250.8	031.5	229.5	010.0000	0159.0	074.6	48.53	
319.0	001.5110	0253.2	031.7	229.6	010.0000	0159.0	074.1	48.71	
320.0	001.5110	0255.2	031.8	229.7	010.0000	0159.5	073.5	48.91	
321.0	001.5110	0254.5	031.8	229.6	010.0000	0159.2	072.9	49.07	
322.0	001.5110	0254.2	031.8	229.6	010.0000	0159.1	072.4	49.25	
323.0	001.5110	0256.3	031.9	229.7	010.0000	0159.5	071.8	49.45	
324.0	001.5110	0256.8	031.9	229.7	010.0000	0159.4	071.3	49.63	
325.0	001.5110	0257.4	031.9	229.7	010.0000	0159.4	070.7	49.80	
326.0	001.5110	0256.2	031.9	229.5	010.0000	0158.9	070.2	49.96	
327.0	001.5110	0255.7	031.8	229.5	010.0000	0158.9	069.6	50.14	
328.0	001.5110	0254.6	031.8	229.3	010.0000	0159.5	069.1	50.35	
329.0	001.5110	0253.1	031.7	229.2	010.0000	0160.9	068.5	50.59	
330.0	001.5110	0253.2	031.7	229.1	010.0000	0161.7	068.0	50.81	
331.0	001.4497	0253.7	031.4	228.8	010.0000	0165.2	067.5	51.13	
332.0	001.3896	0251.6	031.0	228.3	010.0000	0169.5	067.1	51.49	
333.0	001.3309	0250.6	030.6	227.9	010.0000	0172.3	066.7	51.76	
334.0	001.2734	0249.5	030.2	227.4	010.0000	0171.2	066.3	51.84	
335.0	001.2171	0249.3	029.9	227.0	010.0000	0169.4	065.9	51.89	
336.0	001.1622	0246.5	029.4	226.5	010.0000	0168.2	065.5	51.94	
337.0	001.1085	0245.5	029.0	226.0	010.0000	0169.4	065.2	52.12	
338.0	001.0560	0243.7	028.6	225.5	010.0000	0172.3	064.9	52.36	
339.0	001.0049	0242.2	028.2	225.0	010.0000	0173.7	064.6	52.52	
340.0	000.9550	0239.8	027.7	224.5	010.0000	0176.1	064.3	52.71	
341.0	000.9162	0239.5	027.5	224.0	010.0000	0178.9	064.0	52.94	
342.0	000.8783	0238.5	027.1	223.6	010.0000	0178.4	063.8	53.01	

Figure 2-1

343.0	000.8411	0239.0	026.9	223.2	010.0000	0176.7	063.5	53.04
344.0	000.8048	0238.9	026.6	222.8	010.0000	0175.1	063.2	53.06
345.0	000.7692	0239.1	026.4	222.3	010.0000	0175.1	063.0	53.14
346.0	000.7345	0239.1	026.1	221.9	010.0000	0175.5	062.7	53.24
347.0	000.7005	0239.1	025.8	221.4	010.0000	0177.2	062.5	53.39
348.0	000.6674	0237.6	025.4	220.9	010.0000	0179.0	062.4	53.52
349.0	000.6351	0236.1	025.1	220.4	010.0000	0179.2	062.3	53.57
350.0	000.6035	0235.6	024.8	219.9	010.0000	0178.1	062.1	53.57
351.0	000.5904	0235.3	024.6	219.6	010.0000	0177.3	061.9	53.62
352.0	000.5775	0234.3	024.4	219.2	010.0000	0174.7	061.7	53.57
353.0	000.5646	0232.6	024.2	218.8	010.0000	0171.3	061.5	53.46
354.0	000.5520	0230.6	024.0	218.3	010.0000	0168.4	061.4	53.37
355.0	000.5394	0229.9	023.8	218.0	010.0000	0167.4	061.2	53.38
356.0	000.5270	0227.9	023.6	217.5	010.0000	0165.5	061.1	53.33
357.0	000.5148	0226.4	023.4	217.1	010.0000	0165.0	061.0	53.34
358.0	000.5027	0225.5	023.2	216.7	010.0000	0166.0	060.9	53.44
359.0	000.4908	0226.0	023.1	216.4	010.0000	0164.8	060.7	53.44
000.0	000.4789	0226.1	023.0	216.0	010.0000	0164.0	060.6	53.45
001.0	000.4688	0226.8	022.9	215.6	010.0000	0165.2	060.4	53.56
002.0	000.4587	0225.3	022.7	215.2	010.0000	0165.3	060.3	53.59
003.0	000.4488	0224.4	022.6	214.8	010.0000	0162.6	060.3	53.49
004.0	000.4390	0223.7	022.4	214.4	010.0000	0160.3	060.2	53.39
005.0	000.4293	0222.0	022.2	214.0	010.0000	0158.8	060.2	53.32
006.0	000.4196	0222.7	022.1	213.6	010.0000	0157.4	060.1	53.29
007.0	000.4101	0221.9	022.0	213.2	010.0000	0157.0	060.0	53.28
008.0	000.4008	0220.6	021.8	212.8	010.0000	0157.0	060.0	53.28
009.0	000.3915	0220.3	021.7	212.5	010.0000	0156.9	060.0	53.29
010.0	000.3823	0219.6	021.5	212.1	010.0000	0156.4	060.0	53.26
011.0	000.3915	0217.7	021.5	211.7	010.0000	0156.5	059.8	53.33
012.0	000.4008	0217.0	021.6	211.4	010.0000	0157.0	059.6	53.43
013.0	000.4101	0216.7	021.7	211.1	010.0000	0157.2	059.4	53.52
014.0	000.4196	0216.2	021.8	210.8	010.0000	0157.6	059.2	53.61
015.0	000.4293	0217.2	022.0	210.5	010.0000	0156.4	059.0	53.65
016.0	000.4390	0217.3	022.1	210.1	010.0000	0155.3	058.7	53.67
017.0	000.4488	0216.7	022.2	209.8	010.0000	0154.7	058.6	53.70
018.0	000.4587	0217.4	022.3	209.5	010.0000	0153.3	058.3	53.71
019.0	000.4688	0215.2	022.4	209.1	010.0000	0150.4	058.3	53.59
020.0	000.4789	0214.6	022.4	208.7	010.0000	0145.8	058.1	53.40
021.0	000.4908	0214.5	022.6	208.3	010.0000	0143.0	057.9	53.31
022.0	000.5027	0214.5	022.7	208.0	010.0000	0141.1	057.8	53.27
023.0	000.5148	0216.1	022.9	207.6	010.0000	0140.6	057.5	53.33
024.0	000.5270	0217.6	023.1	207.2	010.0000	0140.6	057.3	53.42
025.0	000.5394	0218.2	023.2	206.8	010.0000	0141.0	057.1	53.50
026.0	000.5520	0218.6	023.4	206.4	010.0000	0140.6	057.0	53.54
027.0	000.5646	0218.8	023.5	206.0	010.0000	0139.9	056.9	53.55
028.0	000.5775	0218.3	023.6	205.6	010.0000	0138.5	056.8	53.50
029.0	000.5904	0217.1	023.7	205.1	010.0000	0136.1	056.7	53.39
030.0	000.6035	0216.7	023.8	204.7	010.0000	0134.6	056.7	53.33
031.0	000.6035	0218.0	023.9	204.3	010.0000	0133.9	056.7	53.30
032.0	000.6035	0219.5	023.9	203.9	010.0000	0136.7	056.6	53.46
033.0	000.6035	0220.4	024.0	203.4	010.0000	0137.9	056.7	53.52
034.0	000.6035	0220.7	024.0	203.0	010.0000	0139.1	056.7	53.56
035.0	000.6035	0220.8	024.0	202.6	010.0000	0141.3	056.8	53.65
036.0	000.6035	0219.0	023.9	202.2	010.0000	0144.2	057.0	53.73
037.0	000.6035	0217.8	023.8	201.8	010.0000	0145.4	057.2	53.73
038.0	000.6035	0215.7	023.7	201.5	010.0000	0143.7	057.4	53.56
039.0	000.6035	0214.3	023.7	201.1	010.0000	0142.7	057.6	53.43
040.0	000.6035	0211.8	023.5	200.7	010.0000	0140.6	057.8	53.23
041.0	000.6351	0211.1	023.8	200.3	010.0000	0139.6	057.7	53.20
042.0	000.6674	0210.4	024.0	199.8	010.0000	0140.2	057.7	53.26
043.0	000.7005	0208.3	024.1	199.4	010.0000	0139.5	057.7	53.21
044.0	000.7345	0207.8	024.4	198.9	010.0000	0139.1	057.7	53.20
045.0	000.7692	0207.6	024.6	198.4	010.0000	0134.5	057.6	52.97
046.0	000.8048	0205.9	024.8	197.9	010.0000	0130.6	057.7	52.73

				Figure 2-1			
047.0	000.8411	0204.9	025.0	197.5	010.0000	0127.2	057.7
048.0	000.8783	0205.2	025.2	197.0	010.0000	0128.0	057.7
049.0	000.9162	0202.9	025.4	196.5	010.0000	0129.4	057.9
050.0	000.9550	0202.8	025.6	196.1	010.0000	0129.5	057.9
051.0	001.0049	0203.9	025.9	195.5	010.0000	0129.5	057.9
052.0	001.0560	0202.7	026.2	195.0	010.0000	0129.4	058.0
053.0	001.1085	0202.4	026.4	194.5	010.0000	0130.8	058.1
054.0	001.1622	0204.5	026.8	193.9	010.0000	0134.2	058.0
055.0	001.2171	0206.3	027.2	193.2	010.0000	0135.2	058.0
056.0	001.2734	0207.5	027.6	192.7	010.0000	0133.1	058.1
057.0	001.3309	0207.5	027.9	192.1	010.0000	0133.1	058.2
058.0	001.3896	0209.0	028.3	191.5	010.0000	0134.1	058.3
059.0	001.4497	0207.4	028.4	191.1	010.0000	0133.9	058.6
060.0	001.5110	0206.1	028.6	190.6	010.0000	0137.0	058.8
061.0	001.5110	0206.7	028.6	190.3	010.0000	0137.2	059.2
062.0	001.5110	0206.1	028.6	190.0	010.0000	0137.0	059.6
063.0	001.5110	0207.8	028.7	189.6	010.0000	0135.3	059.9
064.0	001.5110	0209.9	028.9	189.2	010.0000	0135.1	060.3
065.0	001.5110	0208.6	028.8	189.0	010.0000	0135.3	060.7
066.0	001.5110	0208.2	028.8	188.8	010.0000	0136.3	061.2
067.0	001.5110	0206.6	028.6	188.6	010.0000	0136.6	061.6
068.0	001.5110	0204.6	028.5	188.5	010.0000	0137.0	062.1
069.0	001.5110	0203.9	028.5	188.3	010.0000	0137.4	062.6
070.0	001.5110	0203.7	028.4	188.1	010.0000	0137.8	063.0
071.0	001.5110	0203.4	028.4	187.9	010.0000	0138.2	063.5
072.0	001.5110	0201.8	028.3	187.8	010.0000	0138.2	064.0
073.0	001.5110	0201.9	028.3	187.6	010.0000	0138.1	064.4
074.0	001.5110	0200.3	028.2	187.5	010.0000	0137.8	064.9
075.0	001.5110	0197.6	028.0	187.5	010.0000	0137.7	065.5
076.0	001.5110	0195.4	027.9	187.5	010.0000	0137.7	066.0
077.0	001.5110	0194.5	027.8	187.4	010.0000	0137.6	066.4
078.0	001.5110	0193.4	027.8	187.3	010.0000	0137.6	066.9
079.0	001.5110	0192.8	027.7	187.2	010.0000	0137.6	067.4
080.0	001.5110	0192.3	027.7	187.1	010.0000	0137.3	067.9
081.0	001.5110	0192.8	027.7	187.0	010.0000	0136.7	068.3
082.0	001.5110	0192.7	027.7	186.9	010.0000	0136.4	068.8
083.0	001.5110	0191.1	027.6	186.9	010.0000	0136.4	069.3
084.0	001.5110	0189.2	027.5	186.9	010.0000	0136.4	069.8
085.0	001.5110	0190.2	027.5	186.7	010.0000	0136.0	070.2
086.0	001.5110	0189.8	027.5	186.7	010.0000	0135.7	070.7
087.0	001.5110	0188.1	027.4	186.7	010.0000	0135.8	071.2
088.0	001.5110	0187.5	027.4	186.7	010.0000	0135.6	071.7
089.0	001.5110	0188.1	027.4	186.6	010.0000	0135.2	072.1
090.0	001.5110	0188.5	027.4	186.5	010.0000	0135.1	072.6
091.0	001.5110	0189.0	027.5	186.5	010.0000	0134.9	073.1
092.0	001.5110	0189.7	027.5	186.4	010.0000	0134.9	073.6
093.0	001.5110	0191.3	027.6	186.3	010.0000	0134.8	074.0
094.0	001.5110	0192.4	027.7	186.2	010.0000	0134.5	074.5
095.0	001.5110	0193.3	027.7	186.2	010.0000	0134.4	075.0
096.0	001.5110	0194.9	027.8	186.1	010.0000	0134.2	075.5
097.0	001.5110	0196.6	028.0	186.0	010.0000	0134.3	076.0
098.0	001.5110	0199.5	028.2	185.9	010.0000	0134.5	076.5
099.0	001.5110	0201.7	028.3	185.8	010.0000	0134.6	077.0
100.0	001.5110	0201.5	028.3	185.8	010.0000	0134.6	077.5
101.0	001.5110	0199.4	028.1	185.9	010.0000	0134.4	077.9
102.0	001.5110	0197.6	028.0	186.1	010.0000	0134.2	078.4
103.0	001.5110	0199.4	028.2	186.0	010.0000	0134.3	078.9
104.0	001.5110	0201.5	028.3	186.0	010.0000	0134.4	079.4
105.0	001.5110	0203.0	028.4	185.9	010.0000	0134.4	079.9
106.0	001.5110	0204.3	028.5	186.0	010.0000	0134.4	080.4
107.0	001.5110	0205.5	028.6	186.0	010.0000	0134.4	080.9
108.0	001.5110	0201.4	028.3	186.2	010.0000	0134.5	081.4
109.0	001.5110	0203.2	028.4	186.2	010.0000	0134.5	081.9
110.0	001.5110	0206.0	028.6	186.2	010.0000	0134.4	082.4



Figure 2-1

111.0	001.5110	0206.2	028.6	186.2	010.0000	0134.6	082.9	44.87
112.0	001.5110	0208.4	028.8	186.2	010.0000	0134.6	083.4	44.71
113.0	001.5110	0207.7	028.7	186.4	010.0000	0134.8	083.9	44.59
114.0	001.5110	0207.3	028.7	186.5	010.0000	0135.0	084.3	44.46
115.0	001.5110	0208.5	028.8	186.5	010.0000	0135.1	084.8	44.32

06-10-2014

Terrain Data: NED 03 SEC

FMOver Analysis

KCVO-FM BLED19930420KE

KQOH

Channel = 219C3

Channel = 220A

Max ERP = 10 kW

Max ERP = 1.511 kW

RCAMSL = 402 M

RCAMSL = 589.8 M

N. Lat. 38 01 13.0

N. Lat. 37 22 18.3

W. Lng. 92 45 27.0

W. Lng. 93 09 40.9

Protected

Interfering

60 dBu

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
116.0	010.0000	0106.5	032.9	048.3	000.8897	0204.7	087.0	35.98	
117.0	010.0000	0104.4	032.6	048.2	000.8876	0204.8	086.4	36.18	
118.0	010.0000	0105.5	032.7	048.5	000.8967	0204.3	085.9	36.35	
119.0	010.0000	0106.9	032.9	048.7	000.9066	0203.6	085.4	36.52	
120.0	010.0000	0106.2	032.8	048.8	000.9090	0203.4	084.9	36.71	
121.0	010.0000	0103.4	032.4	048.7	000.9031	0203.9	084.2	36.91	
122.0	010.0000	0101.6	032.1	048.6	000.9005	0204.0	083.6	37.10	
123.0	010.0000	0099.7	031.8	048.5	000.8969	0204.3	083.0	37.29	
124.0	010.0000	0098.8	031.7	048.5	000.8969	0204.3	082.4	37.48	
125.0	010.0000	0099.0	031.7	048.6	000.9016	0204.0	081.9	37.66	
126.0	010.0000	0098.7	031.6	048.7	000.9035	0203.8	081.3	37.84	
127.0	010.0000	0098.6	031.6	048.7	000.9064	0203.6	080.8	38.01	
128.0	010.0000	0097.0	031.4	048.6	000.9024	0203.9	080.2	38.20	
129.0	010.0000	0096.3	031.3	048.6	000.9023	0203.9	079.6	38.38	
130.0	010.0000	0097.1	031.4	048.8	000.9081	0203.5	079.1	38.56	
131.0	010.0000	0098.6	031.6	049.0	000.9173	0202.9	078.6	38.74	
132.0	010.0000	0100.3	031.9	049.3	000.9269	0202.6	078.1	38.94	
133.0	010.0000	0102.7	032.3	049.6	000.9399	0202.5	077.6	39.16	
134.0	010.0000	0103.2	032.4	049.7	000.9437	0202.6	077.0	39.36	
135.0	010.0000	0103.2	032.4	049.8	000.9453	0202.6	076.5	39.55	
136.0	010.0000	0102.0	032.2	049.6	000.9413	0202.5	075.9	39.72	
137.0	010.0000	0100.1	031.9	049.4	000.9331	0202.5	075.3	39.87	
138.0	010.0000	0099.7	031.8	049.4	000.9320	0202.5	074.7	40.04	
139.0	010.0000	0102.4	032.2	049.7	000.9450	0202.6	074.2	40.29	
140.0	010.0000	0106.1	032.8	050.2	000.9650	0203.1	073.6	40.58	
141.0	010.0000	0107.3	033.0	050.3	000.9715	0203.2	073.1	40.80	
142.0	010.0000	0107.5	033.0	050.4	000.9725	0203.2	072.5	41.00	
143.0	010.0000	0106.5	032.9	050.2	000.9662	0203.1	071.9	41.16	
144.0	010.0000	0112.8	033.8	050.9	001.0008	0203.8	071.3	41.54	
145.0	010.0000	0111.3	033.6	050.7	000.9913	0203.5	070.7	41.68	
146.0	010.0000	0105.2	032.7	050.0	000.9535	0202.8	070.2	41.65	
147.0	010.0000	0103.9	032.5	049.7	000.9451	0202.6	069.7	41.79	
148.0	010.0000	0102.3	032.2	049.5	000.9347	0202.5	069.1	41.91	
149.0	010.0000	0101.4	032.1	049.3	000.9271	0202.5	068.6	42.05	
150.0	010.0000	0099.4	031.8	048.9	000.9141	0203.1	068.1	42.18	
151.0	010.0000	0096.8	031.3	048.5	000.8970	0204.3	067.7	42.30	
152.0	010.0000	0094.7	031.0	048.1	000.8824	0205.0	067.2	42.41	
153.0	010.0000	0091.6	030.5	047.6	000.8624	0205.2	066.8	42.45	
154.0	010.0000	0087.9	029.9	047.0	000.8395	0204.9	066.5	42.44	

Figure 2-1

155.0	010.0000	0087.5	029.8	046.8	000.8322	0205.1	066.0	42.57
156.0	010.0000	0089.7	030.2	046.9	000.8380	0204.9	065.4	42.80
157.0	010.0000	0092.1	030.6	047.1	000.8448	0205.0	064.8	43.05
158.0	010.0000	0093.9	030.9	047.2	000.8475	0205.0	064.2	43.27
159.0	010.0000	0095.2	031.1	047.2	000.8478	0205.0	063.6	43.48
160.0	010.0000	0094.2	030.9	046.9	000.8361	0205.0	063.1	43.57
161.0	010.0000	0093.5	030.8	046.6	000.8253	0205.2	062.7	43.68
162.0	010.0000	0093.1	030.7	046.3	000.8155	0205.5	062.2	43.80
163.0	010.0000	0096.1	031.2	046.5	000.8226	0205.3	061.5	44.09
164.0	010.0000	0098.6	031.6	046.6	000.8265	0205.2	060.9	44.35
165.0	010.0000	0100.3	031.9	046.6	000.8258	0205.2	060.2	44.57
166.0	010.0000	0102.6	032.3	046.6	000.8280	0205.2	059.6	44.83
167.0	010.0000	0101.6	032.1	046.2	000.8133	0205.5	059.2	44.92
168.0	010.0000	0102.2	032.2	046.0	000.8061	0205.9	058.6	45.10
169.0	010.0000	0104.9	032.6	046.1	000.8079	0205.8	057.9	45.37
170.0	010.0000	0105.1	032.7	045.8	000.7978	0206.3	057.4	45.53
171.0	010.0000	0107.6	033.0	045.8	000.7972	0206.3	056.8	45.79
172.0	010.0000	0111.1	033.5	045.9	000.7999	0206.2	056.0	46.09
173.0	010.0000	0113.3	033.8	045.8	000.7960	0206.4	055.3	46.33
174.0	010.0000	0117.4	034.4	045.8	000.7983	0206.3	054.5	46.65
175.0	010.0000	0119.0	034.6	045.6	000.7900	0206.7	053.9	46.86
176.0	010.0000	0115.2	034.1	044.8	000.7619	0207.6	053.8	46.80
177.0	010.0000	0114.3	034.0	044.3	000.7439	0207.8	053.4	46.85
178.0	010.0000	0114.4	034.0	043.8	000.7290	0207.9	053.0	46.93
179.0	010.0000	0114.4	034.0	043.4	000.7137	0207.8	052.6	47.01
180.0	010.0000	0119.4	034.6	043.4	000.7142	0207.8	051.7	47.36
181.0	010.0000	0125.1	035.3	043.4	000.7146	0207.8	050.8	47.72
182.0	010.0000	0125.1	035.3	042.9	000.6972	0208.4	050.4	47.80
183.0	010.0000	0125.6	035.3	042.4	000.6807	0209.4	049.9	47.92
184.0	010.0000	0135.4	036.5	042.7	000.6903	0208.7	048.6	48.46
185.0	010.0000	0137.3	036.7	042.3	000.6760	0209.7	048.1	48.64
186.0	010.0000	0134.3	036.4	041.4	000.6479	0211.1	048.0	48.56
187.0	010.0000	0136.8	036.7	041.0	000.6344	0211.1	047.4	48.71
188.0	010.0000	0138.1	036.8	040.4	000.6170	0211.4	046.9	48.80
189.0	010.0000	0135.5	036.5	039.6	000.6035	0212.8	046.8	48.80
190.0	010.0000	0137.0	036.7	039.0	000.6035	0214.4	046.3	49.06
191.0	010.0000	0134.4	036.4	038.1	000.6035	0215.6	046.3	49.13
192.0	010.0000	0133.7	036.3	037.4	000.6035	0216.9	046.1	49.28
193.0	010.0000	0134.6	036.4	036.7	000.6035	0218.1	045.7	49.49
194.0	010.0000	0133.7	036.3	035.9	000.6035	0219.1	045.6	49.60
195.0	010.0000	0129.4	035.8	035.0	000.6035	0220.9	045.8	49.57
196.0	010.0000	0129.4	035.8	034.2	000.6035	0220.7	045.6	49.65
197.0	010.0000	0127.8	035.6	033.4	000.6035	0220.7	045.6	49.65
198.0	010.0000	0131.1	036.0	032.8	000.6035	0220.1	045.1	49.86
199.0	010.0000	0139.1	036.9	032.3	000.6035	0219.8	044.0	50.31
200.0	010.0000	0140.0	037.1	031.5	000.6035	0218.9	043.7	50.37
201.0	010.0000	0142.3	037.3	030.7	000.6035	0217.2	043.4	50.46
202.0	010.0000	0145.2	037.7	029.9	000.6026	0216.6	042.9	50.63
203.0	010.0000	0139.2	037.0	029.0	000.5899	0217.1	043.5	50.28
204.0	010.0000	0135.9	036.6	028.1	000.5784	0218.2	043.9	50.10
205.0	010.0000	0135.8	036.6	027.2	000.5677	0219.0	043.8	50.07
206.0	010.0000	0140.0	037.0	026.4	000.5572	0218.5	043.3	50.19
207.0	010.0000	0140.4	037.1	025.6	000.5464	0218.2	043.3	50.11
208.0	010.0000	0141.2	037.2	024.7	000.5356	0218.2	043.2	50.06
209.0	010.0000	0149.5	038.2	023.7	000.5236	0217.3	042.3	50.33
210.0	010.0000	0155.1	038.9	022.7	000.5113	0215.4	041.7	50.40
211.0	010.0000	0157.4	039.1	021.7	000.4995	0214.2	041.5	50.33
212.0	010.0000	0156.4	039.0	020.8	000.4888	0214.6	041.7	50.14
213.0	010.0000	0157.1	039.1	019.9	000.4779	0214.6	041.8	50.02
214.0	010.0000	0158.8	039.3	018.9	000.4680	0215.4	041.8	49.98
215.0	010.0000	0164.5	039.9	017.8	000.4564	0217.6	041.4	50.16
216.0	010.0000	0164.0	039.9	016.9	000.4476	0216.5	041.6	49.91
217.0	010.0000	0164.9	040.0	015.9	000.4383	0217.4	041.8	49.79
218.0	010.0000	0167.5	040.2	014.9	000.4282	0217.2	041.8	49.68

Figure 2-1

219.0	010.0000	0172.9	040.8	013.7	000.4168	0216.2	041.5	49.61
220.0	010.0000	0178.2	041.3	012.5	000.4055	0217.0	041.4	49.59
221.0	010.0000	0178.7	041.3	011.6	000.3970	0217.1	041.7	49.37
222.0	010.0000	0175.1	041.0	011.0	000.3912	0217.8	042.4	49.05
223.0	010.0000	0176.1	041.1	010.1	000.3831	0219.5	042.7	48.90
224.0	010.0000	0179.1	041.4	009.1	000.3907	0220.3	042.8	48.95
225.0	010.0000	0173.7	040.9	008.7	000.3944	0220.5	043.7	48.64
226.0	010.0000	0169.6	040.5	008.3	000.3983	0220.6	044.4	48.36
227.0	010.0000	0169.4	040.4	007.6	000.4047	0220.6	044.9	48.23
228.0	010.0000	0171.6	040.7	006.7	000.4129	0222.7	045.1	48.29
229.0	010.0000	0162.9	039.7	006.8	000.4119	0222.4	046.3	47.79
230.0	010.0000	0161.8	039.6	006.3	000.4169	0222.9	046.9	47.63
231.0	010.0000	0159.4	039.3	005.9	000.4204	0222.7	047.5	47.38
232.0	010.0000	0156.6	039.0	005.6	000.4233	0222.3	048.2	47.11
233.0	010.0000	0156.7	039.0	005.1	000.4287	0222.0	048.7	46.95
234.0	010.0000	0149.3	038.2	005.3	000.4265	0222.1	049.8	46.50
235.0	010.0000	0148.5	038.1	004.9	000.4305	0222.0	050.4	46.31
236.0	010.0000	0147.3	037.9	004.5	000.4339	0222.5	051.0	46.12
237.0	010.0000	0143.9	037.5	004.4	000.4348	0222.8	051.8	45.83
238.0	010.0000	0139.4	037.0	004.5	000.4344	0222.7	052.6	45.49
239.0	010.0000	0135.7	036.5	004.4	000.4346	0222.7	053.4	45.18
240.0	010.0000	0134.4	036.4	004.2	000.4372	0223.4	054.0	44.99
241.0	010.0000	0136.8	036.7	003.6	000.4432	0224.3	054.4	44.94
242.0	010.0000	0135.1	036.5	003.4	000.4450	0224.4	055.0	44.70
243.0	010.0000	0133.8	036.3	003.2	000.4470	0224.4	055.6	44.47
244.0	010.0000	0133.1	036.2	002.9	000.4494	0224.4	056.2	44.26
245.0	010.0000	0130.4	035.9	002.9	000.4497	0224.5	056.9	43.99
246.0	010.0000	0126.7	035.5	003.0	000.4487	0224.4	057.7	43.68
247.0	010.0000	0121.2	034.8	003.3	000.4459	0224.4	058.5	43.33
248.0	010.0000	0120.8	034.8	003.1	000.4480	0224.4	059.1	43.13
249.0	010.0000	0122.0	034.9	002.7	000.4517	0224.6	059.6	42.99
250.0	010.0000	0124.6	035.2	002.2	000.4565	0225.0	060.0	42.88
251.0	010.0000	0125.1	035.3	001.9	000.4593	0225.4	060.6	42.72
252.0	010.0000	0128.4	035.7	001.4	000.4647	0226.5	061.0	42.64
253.0	010.0000	0130.6	035.9	001.0	000.4689	0226.8	061.5	42.50
254.0	010.0000	0131.4	036.0	000.7	000.4716	0226.7	062.1	42.32
255.0	010.0000	0135.1	036.5	000.2	000.4771	0226.2	062.6	42.17
256.0	010.0000	0137.6	036.8	359.8	000.4818	0226.3	063.1	42.02
257.0	010.0000	0136.3	036.6	359.8	000.4817	0226.3	063.8	41.79
258.0	010.0000	0137.4	036.7	359.5	000.4845	0226.4	064.4	41.61
259.0	010.0000	0139.3	037.0	359.2	000.4882	0226.2	065.0	41.43
260.0	010.0000	0141.4	037.2	358.9	000.4919	0225.9	065.6	41.25
261.0	010.0000	0141.7	037.3	358.8	000.4933	0225.8	066.2	41.04
262.0	010.0000	0143.5	037.5	358.5	000.4963	0225.5	066.8	40.84
263.0	010.0000	0143.6	037.5	358.5	000.4972	0225.4	067.5	40.63
264.0	010.0000	0145.1	037.7	358.3	000.4996	0225.3	068.1	40.43
265.0	010.0000	0149.4	038.2	357.8	000.5053	0225.7	068.7	40.28
266.0	010.0000	0150.8	038.4	357.6	000.5072	0225.7	069.4	40.07
267.0	010.0000	0150.6	038.3	357.6	000.5071	0225.7	070.1	39.85
268.0	010.0000	0148.5	038.1	357.8	000.5047	0225.7	070.7	39.60
269.0	010.0000	0150.1	038.3	357.7	000.5065	0225.7	071.4	39.39
270.0	010.0000	0151.7	038.5	357.5	000.5081	0225.8	072.1	39.19
271.0	010.0000	0149.0	038.1	357.8	000.5048	0225.7	072.7	38.94
272.0	010.0000	0147.1	037.9	358.0	000.5022	0225.5	073.4	38.69
273.0	010.0000	0146.4	037.8	358.1	000.5011	0225.4	074.0	38.46
274.0	010.0000	0149.3	038.2	357.9	000.5037	0225.6	074.7	38.26
275.0	010.0000	0150.0	038.2	357.9	000.5037	0225.6	075.4	38.04
276.0	010.0000	0152.2	038.5	357.8	000.5053	0225.7	076.1	37.83
277.0	010.0000	0153.2	038.6	357.8	000.5055	0225.7	076.8	37.61
278.0	010.0000	0154.6	038.8	357.7	000.5059	0225.7	077.5	37.39
279.0	010.0000	0157.4	039.1	357.6	000.5076	0225.8	078.2	37.17
280.0	010.0000	0161.3	039.6	357.4	000.5103	0225.9	079.0	36.95
281.0	010.0000	0160.9	039.5	357.5	000.5086	0225.8	079.6	36.71
282.0	010.0000	0160.1	039.4	357.7	000.5064	0225.7	080.3	36.48

Figure 2-1

283.0	010.0000	0157.5	039.1	358.0	000.5025	0225.5	080.9	36.25
284.0	010.0000	0155.7	038.9	358.3	000.4993	0225.3	081.5	36.02
285.0	010.0000	0155.7	038.9	358.4	000.4977	0225.4	082.1	35.80
286.0	010.0000	0156.9	039.1	358.5	000.4972	0225.4	082.8	35.57
287.0	010.0000	0159.1	039.3	358.4	000.4974	0225.4	083.5	35.34
288.0	010.0000	0155.8	038.9	358.8	000.4927	0225.8	084.1	35.15
289.0	010.0000	0158.9	039.3	358.8	000.4936	0225.8	084.8	34.91
290.0	010.0000	0161.5	039.6	358.7	000.4938	0225.7	085.6	34.67
291.0	010.0000	0166.6	040.1	358.6	000.4960	0225.6	086.4	34.41
292.0	010.0000	0172.2	040.7	358.4	000.4981	0225.4	087.3	34.15
293.0	010.0000	0171.6	040.7	358.6	000.4954	0225.6	087.9	33.93
294.0	010.0000	0171.7	040.7	358.8	000.4932	0225.8	088.6	33.72
295.0	010.0000	0171.4	040.7	359.0	000.4907	0226.0	089.2	33.50

Minor Change in KQOH  
Figure 2-2

FMCommander Single Allocation Study - 06-10-2014 - NED 03 SEC  
KQOH's Overlaps (In= 1.61 km, Out= 1.47 km)

KQOH CH 220 A DA  
Lat= 37 22 18.3, Lng= 93 09 40.9  
1.511 kW 204.2 M HAAT, 589.8 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

KKOZ-FM^ CH 221 A BMLH19970905KA  
Lat= 36 55 48.0, Lng= 92 39 19.0  
Max CIs: 6.0 kW 100 M HAAT, 455 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

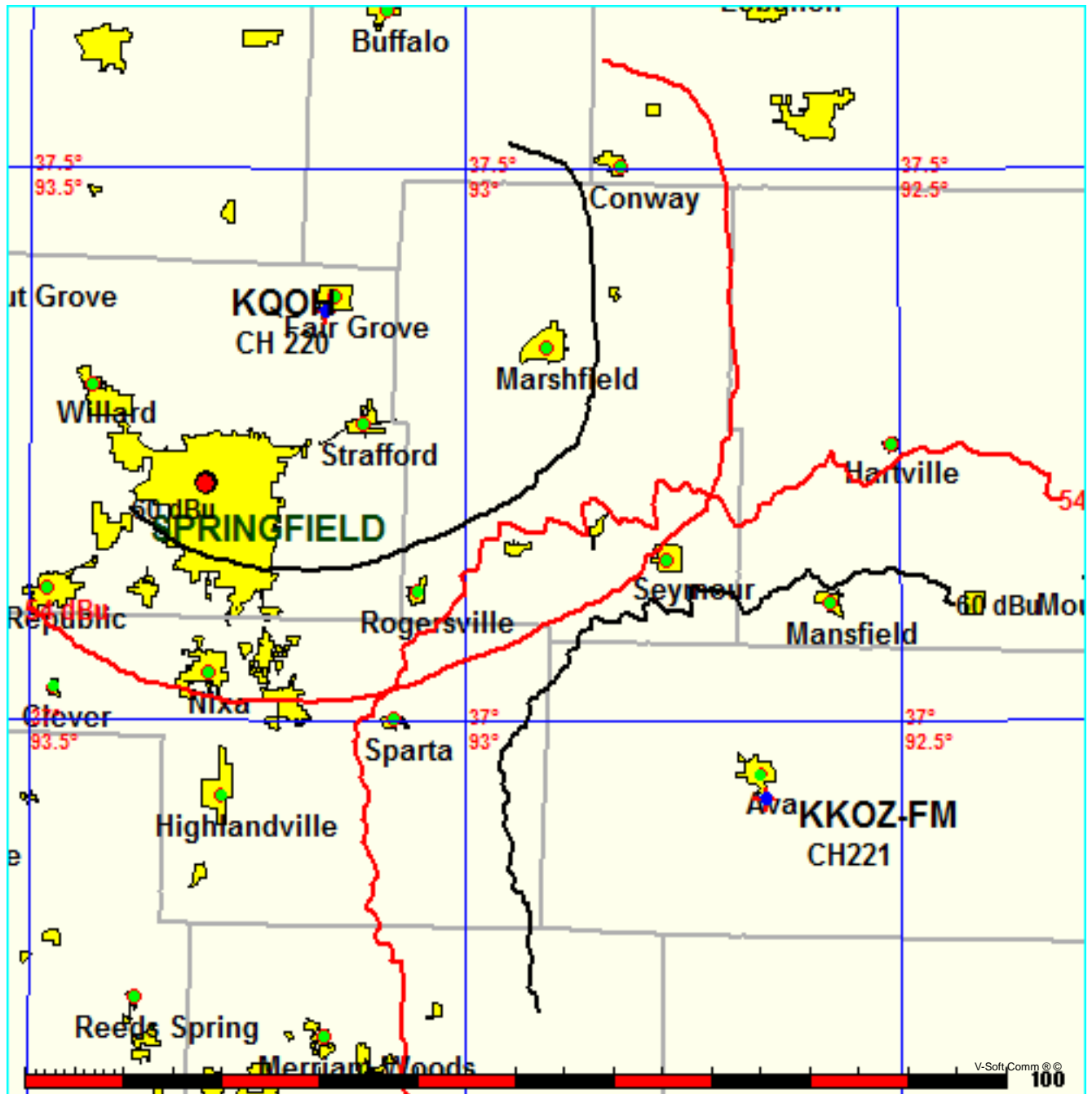


Figure 2-3

06-10-2014

Terrain Data: NED 03 SEC

FMOver Analysis

KQOH

Channel = 220A  
 Max ERP = 1.511 kW  
 RCAMSL = 589.8 M  
 N. Lat. 37 22 18.3  
 W. Lng. 93 09 40.9  
 Protected  
 60 dBu

KKOZ-FM BMLH19970905KA  
 (^ Max Class Parameters)  
 Channel = 221A  
 Max ERP = 6 kW  
 RCAMSL = 455 M  
 N. Lat. 36 55 48.0  
 W. Lng. 92 39 19.0  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
047.0	000.8411	0204.9	025.0	338.3	006.0000	0048.8	071.2	41.12	
048.0	000.8783	0205.2	025.2	338.6	006.0000	0051.4	070.9	41.40	
049.0	000.9162	0202.9	025.4	338.8	006.0000	0053.0	070.5	41.62	
050.0	000.9550	0202.8	025.6	339.1	006.0000	0054.6	070.2	41.82	
051.0	001.0049	0203.9	025.9	339.5	006.0000	0055.8	069.9	41.99	
052.0	001.0560	0202.7	026.2	339.8	006.0000	0055.9	069.5	42.09	
053.0	001.1085	0202.4	026.4	340.1	006.0000	0056.3	069.2	42.21	
054.0	001.1622	0204.5	026.8	340.6	006.0000	0057.8	068.8	42.40	
055.0	001.2171	0206.3	027.2	341.0	006.0000	0060.2	068.5	42.66	
056.0	001.2734	0207.5	027.6	341.4	006.0000	0060.7	068.1	42.79	
057.0	001.3309	0207.5	027.9	341.7	006.0000	0060.5	067.7	42.88	
058.0	001.3896	0209.0	028.3	342.1	006.0000	0059.4	067.3	42.90	
059.0	001.4497	0207.4	028.4	342.4	006.0000	0057.8	066.9	42.89	
060.0	001.5110	0206.1	028.6	342.6	006.0000	0056.4	066.4	42.90	
061.0	001.5110	0206.7	028.6	342.7	006.0000	0056.1	066.0	43.00	
062.0	001.5110	0206.1	028.6	342.8	006.0000	0056.1	065.5	43.12	
063.0	001.5110	0207.8	028.7	343.0	006.0000	0055.8	065.0	43.22	
064.0	001.5110	0209.9	028.9	343.1	006.0000	0055.2	064.5	43.29	
065.0	001.5110	0208.6	028.8	343.1	006.0000	0055.3	064.0	43.42	
066.0	001.5110	0208.2	028.8	343.2	006.0000	0055.2	063.5	43.54	
067.0	001.5110	0206.6	028.6	343.1	006.0000	0055.3	063.0	43.69	
068.0	001.5110	0204.6	028.5	343.0	006.0000	0055.6	062.5	43.85	
069.0	001.5110	0203.9	028.5	343.0	006.0000	0055.6	062.0	43.99	
070.0	001.5110	0203.7	028.4	343.0	006.0000	0055.6	061.5	44.12	
071.0	001.5110	0203.4	028.4	343.0	006.0000	0055.6	061.0	44.26	
072.0	001.5110	0201.8	028.3	343.0	006.0000	0055.9	060.5	44.42	
073.0	001.5110	0201.9	028.3	343.0	006.0000	0055.8	060.0	44.56	
074.0	001.5110	0200.3	028.2	342.8	006.0000	0056.0	059.5	44.72	
075.0	001.5110	0197.6	028.0	342.7	006.0000	0056.2	059.0	44.88	
076.0	001.5110	0195.4	027.9	342.5	006.0000	0057.0	058.5	45.09	
077.0	001.5110	0194.5	027.8	342.4	006.0000	0057.6	058.1	45.29	
078.0	001.5110	0193.4	027.8	342.3	006.0000	0058.4	057.6	45.51	
079.0	001.5110	0192.8	027.7	342.2	006.0000	0059.1	057.1	45.72	
080.0	001.5110	0192.3	027.7	342.1	006.0000	0059.7	056.6	45.91	
081.0	001.5110	0192.8	027.7	342.0	006.0000	0059.9	056.2	46.08	
082.0	001.5110	0192.7	027.7	341.9	006.0000	0060.2	055.7	46.26	
083.0	001.5110	0191.1	027.6	341.7	006.0000	0060.5	055.2	46.43	
084.0	001.5110	0189.2	027.5	341.5	006.0000	0060.7	054.8	46.58	
085.0	001.5110	0190.2	027.5	341.5	006.0000	0060.7	054.3	46.74	
086.0	001.5110	0189.8	027.5	341.3	006.0000	0060.8	053.8	46.89	
087.0	001.5110	0188.1	027.4	341.1	006.0000	0060.6	053.4	47.01	
088.0	001.5110	0187.5	027.4	340.9	006.0000	0059.5	053.0	47.05	
089.0	001.5110	0188.1	027.4	340.7	006.0000	0058.8	052.5	47.13	
090.0	001.5110	0188.5	027.4	340.6	006.0000	0058.0	052.0	47.19	
091.0	001.5110	0189.0	027.5	340.5	006.0000	0057.4	051.6	47.27	
092.0	001.5110	0189.7	027.5	340.3	006.0000	0056.8	051.1	47.35	
093.0	001.5110	0191.3	027.6	340.2	006.0000	0056.5	050.6	47.46	

# Figure 2-3

094.0	001.5110	0192.4	027.7	340.1	006.0000	0056.1	050.2	47.56
095.0	001.5110	0193.3	027.7	339.9	006.0000	0056.0	049.7	47.69
096.0	001.5110	0194.9	027.8	339.7	006.0000	0056.0	049.2	47.84
097.0	001.5110	0196.6	028.0	339.6	006.0000	0056.0	048.7	47.99
098.0	001.5110	0199.5	028.2	339.5	006.0000	0055.9	048.2	48.13
099.0	001.5110	0201.7	028.3	339.4	006.0000	0055.5	047.7	48.24
100.0	001.5110	0201.5	028.3	339.1	006.0000	0054.5	047.3	48.24
101.0	001.5110	0199.4	028.1	338.6	006.0000	0051.6	046.9	47.96
102.0	001.5110	0197.6	028.0	338.2	006.0000	0047.9	046.6	47.54
103.0	001.5110	0199.4	028.2	338.0	006.0000	0046.4	046.1	47.44
104.0	001.5110	0201.5	028.3	337.7	006.0000	0046.1	045.6	47.54
105.0	001.5110	0203.0	028.4	337.5	006.0000	0046.4	045.2	47.73
106.0	001.5110	0204.3	028.5	337.1	006.0000	0047.2	044.7	48.00
107.0	001.5110	0205.5	028.6	336.8	006.0000	0048.7	044.3	48.37
108.0	001.5110	0201.4	028.3	336.1	006.0000	0049.5	044.1	48.55
109.0	001.5110	0203.2	028.4	335.8	006.0000	0050.0	043.7	48.76
110.0	001.5110	0206.0	028.6	335.5	006.0000	0050.9	043.2	49.07
111.0	001.5110	0206.2	028.6	335.1	006.0000	0052.3	042.8	49.40
112.0	001.5110	0208.4	028.8	334.7	006.0000	0051.9	042.4	49.49
113.0	001.5110	0207.7	028.7	334.2	006.0000	0051.4	042.1	49.52
114.0	001.5110	0207.3	028.7	333.6	006.0000	0052.1	041.8	49.73
115.0	001.5110	0208.5	028.8	333.1	006.0000	0054.1	041.4	50.16
116.0	001.5110	0208.9	028.8	332.6	006.0000	0053.4	041.1	50.18
117.0	001.5110	0210.7	028.9	332.1	006.0000	0052.0	040.7	50.12
118.0	001.5110	0208.8	028.8	331.4	006.0000	0056.2	040.5	50.78
119.0	001.5110	0204.1	028.5	330.6	006.0000	0062.1	040.5	51.50
120.0	001.5110	0200.9	028.3	329.8	006.0000	0064.6	040.5	51.81
121.0	001.5110	0197.6	028.0	329.1	006.0000	0063.6	040.4	51.71
122.0	001.5110	0195.5	027.9	328.4	006.0000	0063.7	040.3	51.76
123.0	001.5110	0193.1	027.7	327.7	006.0000	0064.1	040.3	51.83
124.0	001.5110	0192.9	027.7	327.0	006.0000	0060.9	040.1	51.53
125.0	001.5110	0191.3	027.6	326.3	006.0000	0058.1	040.0	51.22
126.0	001.5110	0188.9	027.5	325.6	006.0000	0053.1	040.0	50.53
127.0	001.5110	0185.5	027.2	324.8	006.0000	0057.3	040.0	51.10
128.0	001.5110	0189.0	027.5	324.3	006.0000	0060.4	039.7	51.63
129.0	001.5110	0191.7	027.6	323.7	006.0000	0061.7	039.4	51.90
130.0	001.5110	0190.4	027.6	323.0	006.0000	0064.6	039.3	52.24
131.0	001.5110	0187.3	027.4	322.2	006.0000	0066.8	039.5	52.45
132.0	001.5110	0186.0	027.3	321.5	006.0000	0067.7	039.4	52.55
133.0	001.5110	0186.9	027.3	320.8	006.0000	0065.2	039.3	52.32
134.0	001.5110	0183.2	027.1	320.1	006.0000	0063.9	039.5	52.10
135.0	001.5110	0181.4	027.0	319.4	006.0000	0065.2	039.6	52.22
136.0	001.5110	0179.9	026.9	318.7	006.0000	0066.8	039.6	52.38
137.0	001.5110	0177.2	026.7	318.1	006.0000	0068.1	039.8	52.46
138.0	001.5110	0173.9	026.5	317.4	006.0000	0072.5	040.0	52.85
139.0	001.5110	0173.9	026.5	316.7	006.0000	0076.5	040.0	53.27
140.0	001.5110	0170.1	026.2	316.1	006.0000	0078.2	040.3	53.35
141.0	001.5110	0168.7	026.1	315.5	006.0000	0077.0	040.5	53.17
142.0	001.5110	0167.9	026.1	314.8	006.0000	0075.1	040.6	52.92
143.0	001.5110	0165.1	025.9	314.2	006.0000	0074.3	040.8	52.73
144.0	001.5110	0163.8	025.8	313.6	006.0000	0075.3	041.0	52.77
145.0	001.5110	0161.8	025.6	313.1	006.0000	0076.5	041.2	52.81
146.0	001.5110	0162.8	025.7	312.4	006.0000	0077.6	041.3	52.91
147.0	001.5110	0163.6	025.8	311.8	006.0000	0078.6	041.3	52.99
148.0	001.5110	0163.1	025.7	311.2	006.0000	0077.3	041.5	52.80
149.0	001.5110	0163.2	025.7	310.6	006.0000	0076.2	041.6	52.63
150.0	001.5110	0162.8	025.7	310.1	006.0000	0075.2	041.8	52.45
151.0	001.5110	0161.8	025.6	309.5	006.0000	0075.0	042.0	52.35
152.0	001.5110	0161.2	025.6	309.0	006.0000	0073.4	042.2	52.10
153.0	001.5110	0159.2	025.5	308.5	006.0000	0072.6	042.5	51.89
154.0	001.5110	0159.5	025.5	308.0	006.0000	0073.2	042.7	51.89
155.0	001.5110	0159.7	025.5	307.4	006.0000	0074.9	042.9	52.00
156.0	001.5110	0157.9	025.4	307.0	006.0000	0075.9	043.2	51.98
157.0	001.5110	0156.6	025.3	306.5	006.0000	0075.7	043.5	51.85

				Figure 2-3			
158.0	001.5110	0155.9	025.2	306.1	006.0000	0076.3	043.8
159.0	001.5110	0155.6	025.2	305.6	006.0000	0075.6	044.0
160.0	001.5110	0156.7	025.3	305.1	006.0000	0072.7	044.2
161.0	001.5110	0157.4	025.3	304.6	006.0000	0071.0	044.5
162.0	001.5110	0158.3	025.4	304.1	006.0000	0070.6	044.7
163.0	001.5110	0159.2	025.5	303.6	006.0000	0071.9	044.9
164.0	001.5110	0159.8	025.5	303.1	006.0000	0072.6	045.2
165.0	001.5110	0161.2	025.6	302.6	006.0000	0073.0	045.4
166.0	001.5110	0161.5	025.6	302.2	006.0000	0073.1	045.7
167.0	001.5110	0162.5	025.7	301.7	006.0000	0072.7	045.9
168.0	001.5110	0163.7	025.8	301.3	006.0000	0072.5	046.2
169.0	001.5110	0163.5	025.8	300.9	006.0000	0072.8	046.5
170.0	001.5110	0163.6	025.8	300.5	006.0000	0072.7	046.9
171.0	001.5110	0165.2	025.9	300.1	006.0000	0073.0	047.2
172.0	001.5110	0166.3	026.0	299.7	006.0000	0073.7	047.5
173.0	001.5110	0166.9	026.0	299.3	006.0000	0073.5	047.8
174.0	001.5110	0166.8	026.0	299.0	006.0000	0073.4	048.2
175.0	001.5110	0168.2	026.1	298.6	006.0000	0073.9	048.5
176.0	001.5110	0168.6	026.1	298.3	006.0000	0074.7	048.9
177.0	001.5110	0169.7	026.2	297.9	006.0000	0075.3	049.2
178.0	001.5110	0169.6	026.2	297.7	006.0000	0075.6	049.6
179.0	001.5110	0168.3	026.1	297.5	006.0000	0075.6	050.1
180.0	001.5110	0169.2	026.2	297.2	006.0000	0075.0	050.4
181.0	001.5110	0169.5	026.2	297.0	006.0000	0074.6	050.8
182.0	001.5110	0170.6	026.3	296.7	006.0000	0074.5	051.2
183.0	001.5110	0170.5	026.3	296.5	006.0000	0074.9	051.6
184.0	001.5110	0170.8	026.3	296.3	006.0000	0075.6	052.1
185.0	001.5110	0170.7	026.3	296.1	006.0000	0076.3	052.5
186.0	001.5110	0171.2	026.3	295.9	006.0000	0077.1	052.9
187.0	001.5110	0171.9	026.4	295.7	006.0000	0078.1	053.3
188.0	001.5110	0172.5	026.4	295.5	006.0000	0078.7	053.8
189.0	001.5110	0173.0	026.4	295.3	006.0000	0079.1	054.2
190.0	001.5110	0173.8	026.5	295.1	006.0000	0079.5	054.6
191.0	001.5110	0175.2	026.6	294.9	006.0000	0079.9	055.0
192.0	001.5110	0177.9	026.8	294.6	006.0000	0080.1	055.5
193.0	001.5110	0180.7	026.9	294.3	006.0000	0080.1	055.9
194.0	001.5110	0180.5	026.9	294.3	006.0000	0080.1	056.3
195.0	001.5110	0179.9	026.9	294.2	006.0000	0080.1	056.8
196.0	001.5110	0181.0	027.0	294.1	006.0000	0080.1	057.3
197.0	001.5110	0181.5	027.0	294.0	006.0000	0080.2	057.7
198.0	001.5110	0182.6	027.1	293.9	006.0000	0080.4	058.2
199.0	001.5110	0184.0	027.1	293.7	006.0000	0080.6	058.7
200.0	001.5110	0183.5	027.1	293.7	006.0000	0080.6	059.1
201.0	001.5110	0183.5	027.1	293.7	006.0000	0080.6	059.6
202.0	001.5110	0185.2	027.2	293.6	006.0000	0081.0	060.1
203.0	001.5110	0186.3	027.3	293.5	006.0000	0081.1	060.5
204.0	001.5110	0187.7	027.4	293.4	006.0000	0081.3	061.0
205.0	001.5110	0188.8	027.5	293.4	006.0000	0081.5	061.5
206.0	001.5110	0190.5	027.6	293.3	006.0000	0081.7	062.0
207.0	001.5110	0191.0	027.6	293.3	006.0000	0081.7	062.5
208.0	001.5110	0191.2	027.6	293.3	006.0000	0081.7	063.0
209.0	001.5110	0192.1	027.7	293.3	006.0000	0081.7	063.4
210.0	001.5110	0193.4	027.8	293.3	006.0000	0081.8	063.9
211.0	001.5110	0193.0	027.7	293.4	006.0000	0081.6	064.4
212.0	001.5110	0193.2	027.7	293.4	006.0000	0081.4	064.9
213.0	001.5110	0194.1	027.8	293.4	006.0000	0081.4	065.4
214.0	001.5110	0194.6	027.8	293.5	006.0000	0081.3	065.9
215.0	001.5110	0195.8	027.9	293.5	006.0000	0081.2	066.3
216.0	001.5110	0196.0	027.9	293.6	006.0000	0081.1	066.8
217.0	001.5110	0196.6	028.0	293.6	006.0000	0080.9	067.3
218.0	001.5110	0195.9	027.9	293.8	006.0000	0080.5	067.8
219.0	001.5110	0195.3	027.9	293.9	006.0000	0080.3	068.2
220.0	001.5110	0196.6	028.0	294.0	006.0000	0080.3	068.7
221.0	001.5110	0197.7	028.0	294.0	006.0000	0080.2	069.2



				Figure 2-3				
222.0	001.5110	0198.3	028.1	294.1	006.0000	0080.1	069.7	43.63
223.0	001.5110	0197.7	028.0	294.3	006.0000	0080.1	070.1	43.51
224.0	001.5110	0199.1	028.1	294.3	006.0000	0080.1	070.6	43.37
225.0	001.5110	0199.8	028.2	294.4	006.0000	0080.1	071.1	43.24
226.0	001.5110	0200.5	028.2	294.5	006.0000	0080.1	071.6	43.11

06-10-2014 Terrain Data: NED 03 SEC FMOver Analysis

KKOZ-FM BMLH19970905KA  
 (^ Max Class Parameters)  
 Channel = 221A  
 Max ERP = 6 kW  
 RCAMSL = 455 M  
 N. Lat. 36 55 48.0  
 W. Lng. 92 39 19.0  
 Protected  
 60 dBu

KQOH  
 Channel = 220A  
 Max ERP = 1.511 kW  
 RCAMSL = 589.8 M  
 N. Lat. 37 22 18.3  
 W. Lng. 93 09 40.9  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
228.0	006.0000	0127.0	031.5	162.8	001.5110	0159.1	073.5	40.70	
229.0	006.0000	0122.3	031.0	162.6	001.5110	0159.0	072.8	40.92	
230.0	006.0000	0120.3	030.8	162.7	001.5110	0159.0	072.2	41.11	
231.0	006.0000	0120.3	030.8	162.8	001.5110	0159.1	071.7	41.27	
232.0	006.0000	0120.0	030.7	163.0	001.5110	0159.2	071.2	41.44	
233.0	006.0000	0114.3	030.1	162.6	001.5110	0159.0	070.4	41.67	
234.0	006.0000	0110.7	029.7	162.4	001.5110	0158.9	069.8	41.87	
235.0	006.0000	0106.7	029.2	162.2	001.5110	0158.6	069.2	42.07	
236.0	006.0000	0102.7	028.6	161.9	001.5110	0158.2	068.5	42.25	
237.0	006.0000	0102.3	028.6	162.0	001.5110	0158.3	068.0	42.42	
238.0	006.0000	0100.6	028.4	161.9	001.5110	0158.2	067.5	42.59	
239.0	006.0000	0098.3	028.1	161.7	001.5110	0158.0	067.0	42.76	
240.0	006.0000	0096.1	027.8	161.6	001.5110	0157.8	066.4	42.93	
241.0	006.0000	0093.2	027.4	161.3	001.5110	0157.7	065.9	43.11	
242.0	006.0000	0090.8	027.0	161.1	001.5110	0157.5	065.3	43.27	
243.0	006.0000	0089.2	026.8	161.0	001.5110	0157.4	064.8	43.43	
244.0	006.0000	0087.7	026.6	160.8	001.5110	0157.4	064.3	43.60	
245.0	006.0000	0087.5	026.6	160.8	001.5110	0157.4	063.9	43.75	
246.0	006.0000	0086.1	026.4	160.7	001.5110	0157.5	063.4	43.92	
247.0	006.0000	0089.2	026.8	161.1	001.5110	0157.5	063.0	44.07	
248.0	006.0000	0087.4	026.6	160.9	001.5110	0157.4	062.5	44.23	
249.0	006.0000	0088.3	026.7	161.1	001.5110	0157.5	062.0	44.39	
250.0	006.0000	0091.9	027.2	161.6	001.5110	0157.8	061.6	44.56	
251.0	006.0000	0093.3	027.4	161.8	001.5110	0158.0	061.1	44.74	
252.0	006.0000	0088.9	026.8	161.2	001.5110	0157.6	060.6	44.89	
253.0	006.0000	0089.0	026.8	161.2	001.5110	0157.6	060.2	45.06	
254.0	006.0000	0090.0	026.9	161.3	001.5110	0157.7	059.7	45.23	
255.0	006.0000	0092.6	027.3	161.6	001.5110	0157.8	059.2	45.42	
256.0	006.0000	0088.9	026.8	161.1	001.5110	0157.5	058.8	45.56	
257.0	006.0000	0087.5	026.6	160.9	001.5110	0157.4	058.3	45.72	
258.0	006.0000	0087.4	026.6	160.8	001.5110	0157.4	057.9	45.89	
259.0	006.0000	0084.7	026.2	160.4	001.5110	0157.0	057.5	46.02	
260.0	006.0000	0084.7	026.2	160.3	001.5110	0157.0	057.0	46.18	
261.0	006.0000	0085.1	026.2	160.3	001.5110	0156.9	056.6	46.36	
262.0	006.0000	0086.8	026.5	160.4	001.5110	0157.1	056.1	46.55	
263.0	006.0000	0087.1	026.5	160.4	001.5110	0157.1	055.6	46.72	
264.0	006.0000	0088.5	026.7	160.5	001.5110	0157.2	055.1	46.92	
265.0	006.0000	0087.5	026.6	160.2	001.5110	0156.8	054.7	47.06	
266.0	006.0000	0086.5	026.4	159.9	001.5110	0156.6	054.3	47.20	

Figure 2-3

267.0	006.0000	0088.3	026.7	160.0	001.5110	0156.7	053.8	47.41
268.0	006.0000	0087.1	026.5	159.7	001.5110	0156.4	053.4	47.54
269.0	006.0000	0086.8	026.5	159.5	001.5110	0156.3	052.9	47.70
270.0	006.0000	0084.9	026.2	159.1	001.5110	0155.7	052.6	47.80
271.0	006.0000	0084.9	026.2	158.9	001.5110	0155.6	052.2	47.96
272.0	006.0000	0087.2	026.5	159.0	001.5110	0155.7	051.6	48.17
273.0	006.0000	0088.9	026.8	159.1	001.5110	0155.7	051.1	48.38
274.0	006.0000	0088.0	026.6	158.7	001.5110	0155.5	050.7	48.51
275.0	006.0000	0088.8	026.8	158.6	001.5110	0155.5	050.3	48.69
276.0	006.0000	0091.1	027.1	158.7	001.5110	0155.5	049.7	48.91
277.0	006.0000	0092.0	027.2	158.6	001.5110	0155.5	049.2	49.10
278.0	006.0000	0092.8	027.3	158.4	001.5110	0155.5	048.7	49.28
279.0	006.0000	0091.5	027.1	158.0	001.5110	0155.9	048.4	49.43
280.0	006.0000	0093.9	027.5	158.0	001.5110	0155.9	047.8	49.65
281.0	006.0000	0091.4	027.1	157.4	001.5110	0156.4	047.6	49.76
282.0	006.0000	0086.8	026.5	156.4	001.5110	0157.3	047.6	49.81
283.0	006.0000	0086.8	026.5	156.1	001.5110	0157.8	047.2	49.99
284.0	006.0000	0086.9	026.5	155.7	001.5110	0158.4	046.9	50.16
285.0	006.0000	0084.5	026.1	155.1	001.5110	0159.7	046.7	50.29
286.0	006.0000	0083.2	025.9	154.5	001.5110	0159.4	046.5	50.36
287.0	006.0000	0079.6	025.4	153.7	001.5110	0159.0	046.5	50.33
288.0	006.0000	0080.4	025.5	153.4	001.5110	0159.0	046.1	50.50
289.0	006.0000	0080.3	025.5	153.0	001.5110	0159.2	045.8	50.63
290.0	006.0000	0079.2	025.4	152.4	001.5110	0160.4	045.6	50.77
291.0	006.0000	0080.9	025.6	152.2	001.5110	0160.8	045.1	50.99
292.0	006.0000	0082.8	025.9	152.0	001.5110	0161.2	044.6	51.23
293.0	006.0000	0082.6	025.9	151.6	001.5110	0161.7	044.4	51.37
294.0	006.0000	0080.2	025.5	150.8	001.5110	0161.6	044.4	51.36
295.0	006.0000	0079.7	025.4	150.3	001.5110	0162.4	044.2	51.49
296.0	006.0000	0076.7	025.0	149.5	001.5110	0163.8	044.3	51.51
297.0	006.0000	0074.7	024.7	148.8	001.5110	0162.9	044.3	51.45
298.0	006.0000	0075.2	024.8	148.4	001.5110	0162.8	044.0	51.58
299.0	006.0000	0073.4	024.5	147.8	001.5110	0163.5	044.0	51.61
300.0	006.0000	0073.2	024.5	147.2	001.5110	0163.7	043.8	51.69
301.0	006.0000	0072.7	024.4	146.7	001.5110	0163.0	043.7	51.71
302.0	006.0000	0073.0	024.4	146.2	001.5110	0162.8	043.5	51.80
303.0	006.0000	0072.6	024.4	145.7	001.5110	0162.6	043.4	51.84
304.0	006.0000	0070.8	024.1	145.0	001.5110	0161.8	043.5	51.76
305.0	006.0000	0072.3	024.3	144.6	001.5110	0162.1	043.1	51.93
306.0	006.0000	0076.4	024.9	144.3	001.5110	0163.0	042.4	52.29
307.0	006.0000	0075.9	024.9	143.7	001.5110	0164.3	042.3	52.39
308.0	006.0000	0073.1	024.4	143.0	001.5110	0165.1	042.6	52.30
309.0	006.0000	0073.5	024.5	142.5	001.5110	0165.4	042.5	52.39
310.0	006.0000	0075.2	024.8	142.0	001.5110	0167.9	042.1	52.67
311.0	006.0000	0077.0	025.0	141.5	001.5110	0169.4	041.8	52.90
312.0	006.0000	0078.5	025.2	140.9	001.5110	0168.7	041.5	53.00
313.0	006.0000	0076.6	025.0	140.3	001.5110	0169.0	041.7	52.92
314.0	006.0000	0074.3	024.6	139.6	001.5110	0172.1	042.0	52.94
315.0	006.0000	0075.6	024.8	139.1	001.5110	0173.9	041.7	53.13
316.0	006.0000	0078.2	025.2	138.5	001.5110	0173.7	041.3	53.31
317.0	006.0000	0075.0	024.7	137.9	001.5110	0174.1	041.8	53.12
318.0	006.0000	0068.3	023.7	137.3	001.5110	0175.7	042.8	52.75
319.0	006.0000	0066.3	023.4	136.8	001.5110	0178.0	043.1	52.72
320.0	006.0000	0064.0	023.1	136.3	001.5110	0179.1	043.5	52.60
321.0	006.0000	0066.0	023.4	135.7	001.5110	0180.1	043.2	52.77
322.0	006.0000	0067.3	023.6	135.1	001.5110	0181.2	043.0	52.89
323.0	006.0000	0064.4	023.1	134.7	001.5110	0181.7	043.5	52.70
324.0	006.0000	0061.2	022.6	134.2	001.5110	0182.8	044.1	52.51
325.0	006.0000	0056.0	021.8	133.9	001.5110	0183.3	045.0	52.14
326.0	006.0000	0055.5	021.7	133.5	001.5110	0185.0	045.2	52.15
327.0	006.0000	0060.8	022.6	132.8	001.5110	0186.7	044.4	52.57
328.0	006.0000	0063.9	023.1	132.1	001.5110	0186.1	044.0	52.69
329.0	006.0000	0063.6	023.0	131.6	001.5110	0186.4	044.2	52.64
330.0	006.0000	0064.6	023.2	131.1	001.5110	0187.2	044.2	52.68

				Figure 2-3				
331.0	006.0000	0060.2	022.5	130.9	001.5110	0187.7	044.9	52.38
332.0	006.0000	0052.4	021.1	131.0	001.5110	0187.2	046.4	51.75
333.0	006.0000	0054.3	021.4	130.4	001.5110	0189.3	046.2	51.94
334.0	006.0000	0051.7	020.9	130.3	001.5110	0189.6	046.8	51.69
335.0	006.0000	0052.2	021.0	129.8	001.5110	0191.2	046.8	51.75
336.0	006.0000	0049.7	020.5	129.7	001.5110	0191.7	047.5	51.52
337.0	006.0000	0048.0	020.1	129.5	001.5110	0191.9	047.9	51.34
338.0	006.0000	0046.6	019.8	129.3	001.5110	0191.9	048.4	51.17
339.0	006.0000	0054.0	021.4	128.0	001.5110	0189.0	047.2	51.50
340.0	006.0000	0056.0	021.8	127.4	001.5110	0186.1	047.1	51.42
341.0	006.0000	0060.3	022.5	126.5	001.5110	0186.6	046.7	51.59
342.0	006.0000	0060.1	022.5	126.1	001.5110	0188.3	046.9	51.57
343.0	006.0000	0055.7	021.7	126.3	001.5110	0187.6	047.8	51.21
344.0	006.0000	0055.1	021.6	126.0	001.5110	0189.0	048.1	51.15
345.0	006.0000	0056.5	021.9	125.4	001.5110	0190.5	048.1	51.20
346.0	006.0000	0057.3	022.0	125.0	001.5110	0191.3	048.3	51.19
347.0	006.0000	0053.2	021.2	125.2	001.5110	0190.9	049.1	50.85
348.0	006.0000	0054.2	021.4	124.8	001.5110	0191.8	049.2	50.86
349.0	006.0000	0051.9	021.0	124.8	001.5110	0191.6	049.8	50.62
350.0	006.0000	0051.4	020.9	124.6	001.5110	0192.2	050.1	50.51
351.0	006.0000	0051.1	020.8	124.4	001.5110	0192.9	050.4	50.43
352.0	006.0000	0049.0	020.4	124.5	001.5110	0192.7	051.0	50.20
353.0	006.0000	0044.0	019.2	125.1	001.5110	0191.0	052.0	49.72
354.0	006.0000	0041.9	018.7	125.3	001.5110	0190.8	052.6	49.49
355.0	006.0000	0041.6	018.7	125.1	001.5110	0191.1	052.9	49.39
356.0	006.0000	0042.8	019.0	124.6	001.5110	0192.1	052.9	49.41
357.0	006.0000	0043.5	019.1	124.3	001.5110	0193.0	053.1	49.39
358.0	006.0000	0043.5	019.1	124.1	001.5110	0193.0	053.4	49.28
359.0	006.0000	0047.6	020.1	123.0	001.5110	0193.1	053.1	49.39
000.0	006.0000	0048.0	020.1	122.7	001.5110	0193.5	053.3	49.32
001.0	006.0000	0048.0	020.1	122.5	001.5110	0194.1	053.6	49.23
002.0	006.0000	0050.9	020.8	121.8	001.5110	0195.7	053.6	49.30
003.0	006.0000	0051.4	020.9	121.5	001.5110	0196.2	053.9	49.23
004.0	006.0000	0053.4	021.3	120.9	001.5110	0197.8	054.0	49.24
005.0	006.0000	0052.6	021.1	120.9	001.5110	0197.9	054.4	49.09
006.0	006.0000	0053.2	021.2	120.6	001.5110	0199.0	054.7	49.03
007.0	006.0000	0054.8	021.6	120.2	001.5110	0200.5	054.9	49.02
008.0	006.0000	0057.5	022.0	119.5	001.5110	0202.1	055.1	49.02
009.0	006.0000	0060.0	022.5	119.0	001.5110	0204.2	055.3	49.03
010.0	006.0000	0060.9	022.6	118.7	001.5110	0205.3	055.6	48.95
011.0	006.0000	0066.2	023.4	117.8	001.5110	0209.7	055.7	49.10
012.0	006.0000	0062.7	022.9	118.2	001.5110	0207.8	056.3	48.81
013.0	006.0000	0062.2	022.8	118.2	001.5110	0208.0	056.7	48.66
014.0	006.0000	0062.2	022.8	118.0	001.5110	0208.6	057.1	48.53
015.0	006.0000	0060.0	022.5	118.3	001.5110	0207.4	057.5	48.30
016.0	006.0000	0057.8	022.1	118.6	001.5110	0206.2	058.0	48.08
017.0	006.0000	0058.2	022.2	118.4	001.5110	0206.9	058.4	47.97
018.0	006.0000	0057.7	022.1	118.4	001.5110	0206.8	058.8	47.82
019.0	006.0000	0060.8	022.6	117.9	001.5110	0209.4	059.1	47.81
020.0	006.0000	0063.4	023.0	117.4	001.5110	0210.6	059.4	47.74
021.0	006.0000	0067.2	023.6	116.8	001.5110	0210.6	059.7	47.61
022.0	006.0000	0072.4	024.3	116.0	001.5110	0209.0	060.1	47.42
023.0	006.0000	0074.5	024.7	115.7	001.5110	0208.7	060.5	47.25
024.0	006.0000	0077.0	025.0	115.3	001.5110	0208.7	060.9	47.10
025.0	006.0000	0078.2	025.2	115.2	001.5110	0208.6	061.3	46.93
026.0	006.0000	0078.0	025.2	115.2	001.5110	0208.6	061.8	46.78
027.0	006.0000	0079.3	025.4	115.0	001.5110	0208.5	062.2	46.61
028.0	006.0000	0082.3	025.8	114.6	001.5110	0208.0	062.7	46.43
029.0	006.0000	0087.7	026.6	114.0	001.5110	0207.3	063.2	46.22
030.0	006.0000	0087.3	026.5	114.1	001.5110	0207.3	063.6	46.06
031.0	006.0000	0086.8	026.5	114.2	001.5110	0207.3	064.1	45.90
032.0	006.0000	0087.5	026.6	114.1	001.5110	0207.3	064.6	45.74
033.0	006.0000	0088.3	026.7	114.1	001.5110	0207.3	065.0	45.58
034.0	006.0000	0089.8	026.9	114.0	001.5110	0207.3	065.5	45.41

Figure 2-3

035.0	006.0000	0093.2	027.4	113.6	001.5110	0207.6	066.1	45.23
036.0	006.0000	0094.7	027.6	113.5	001.5110	0207.7	066.6	45.06
037.0	006.0000	0095.0	027.6	113.6	001.5110	0207.6	067.1	44.90
038.0	006.0000	0093.9	027.5	113.8	001.5110	0207.4	067.5	44.74
039.0	006.0000	0096.8	027.9	113.6	001.5110	0207.6	068.1	44.56
040.0	006.0000	0098.0	028.0	113.6	001.5110	0207.6	068.6	44.39
041.0	006.0000	0097.8	028.0	113.7	001.5110	0207.6	069.1	44.23
042.0	006.0000	0098.9	028.2	113.7	001.5110	0207.6	069.6	44.06
043.0	006.0000	0091.6	027.1	114.6	001.5110	0207.9	069.7	44.02
044.0	006.0000	0092.0	027.2	114.7	001.5110	0208.1	070.2	43.87
045.0	006.0000	0093.2	027.4	114.7	001.5110	0208.1	070.7	43.70
046.0	006.0000	0093.7	027.4	114.8	001.5110	0208.2	071.2	43.55
047.0	006.0000	0095.4	027.7	114.7	001.5110	0208.2	071.7	43.37

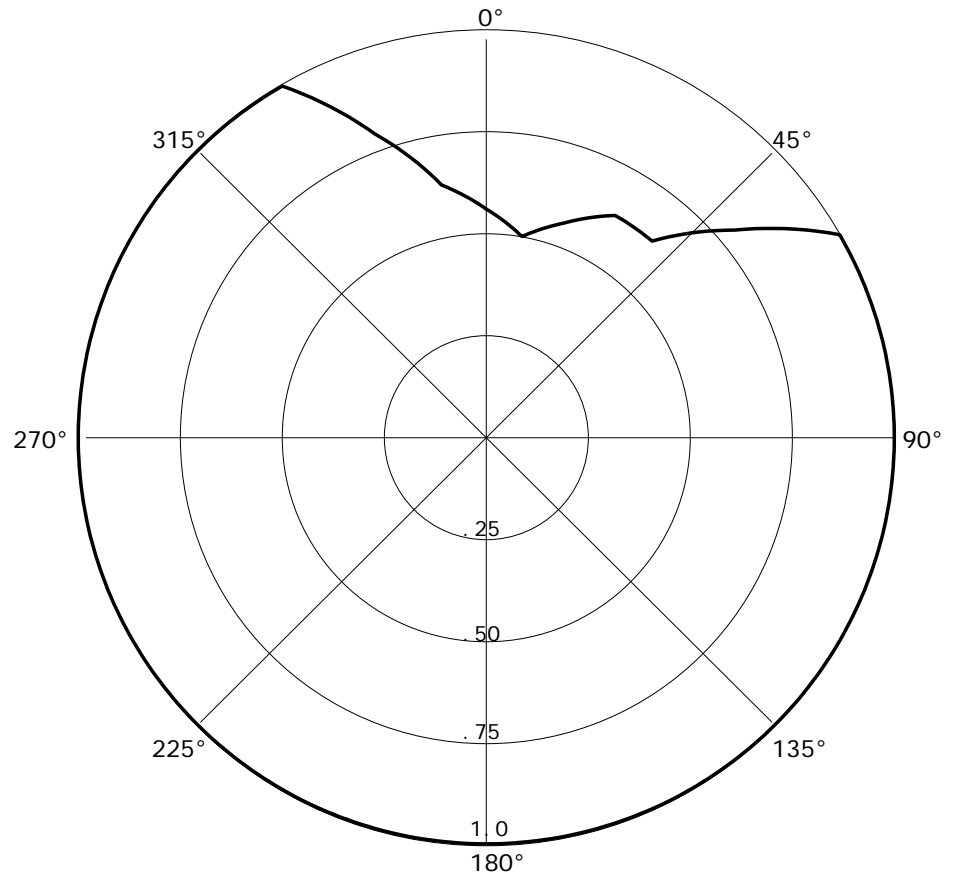
K00H

06-10-2014

RMS(V) = .933

Graph is Relative Field

Azi	Field	dBk	kW
000	0.563	-03.197	0.479
010	0.503	-04.176	0.382
020	0.563	-03.197	0.479
030	0.632	-02.193	0.604
040	0.632	-02.193	0.604
050	0.795	-00.200	0.955
060	1.000	01.793	1.511
070	1.000	01.793	1.511
080	1.000	01.793	1.511
090	1.000	01.793	1.511
100	1.000	01.793	1.511
110	1.000	01.793	1.511
120	1.000	01.793	1.511
130	1.000	01.793	1.511
140	1.000	01.793	1.511
150	1.000	01.793	1.511
160	1.000	01.793	1.511
170	1.000	01.793	1.511
180	1.000	01.793	1.511
190	1.000	01.793	1.511
200	1.000	01.793	1.511
210	1.000	01.793	1.511
220	1.000	01.793	1.511
230	1.000	01.793	1.511
240	1.000	01.793	1.511
250	1.000	01.793	1.511
260	1.000	01.793	1.511
270	1.000	01.793	1.511
280	1.000	01.793	1.511
290	1.000	01.793	1.511
300	1.000	01.793	1.511
310	1.000	01.793	1.511
320	1.000	01.793	1.511
330	1.000	01.793	1.511
340	0.795	-00.200	0.955
350	0.632	-02.193	0.604



Minor Change in KQOH  
Figure 4

Coverage Study - NED 03 SEC  
06-10-2014

KQOH CH220 A , 1.511 kW, 204.2M HAAT, 589.8M COR AMSL  
Service Contour = 60 dBu. Population = 201,064

