

TECHNICAL STATEMENT AND 73.215 PROCESSING REQUEST
KIMI SIDNEY, IOWA, CH. 299C2
FCC FORM 301
KONA COAST RADIO, LLC
MAY 2012

This Technical Statement is made in support of a minor modification of Construction Permit being filed by KIMI(FM) Sidney, Iowa, Channel 299C2, facility ID 189501, BPH-20110926AEC. KIMI seeks to one step upgrade on its current channel, 299C3 to channel 299C2, with a new Effective Radiated Power of 50 Kilowatts with an antenna height of 443 meters Above Mean Sea Level, 53 meter above ground, and 124 meters Height Above Average Terrain with its Center of Radiation. It will operate from an existing 60 meter (198 feet) unregistered tower site.

Figure 1 shows a channel spacing study conducted from the proposed allotment point of N. 40°-58'-13", W 95°-43'-46" for channel 299C2. The allotment point is located approximately 25 kilometers north of the community reference coordinates for Sidney, Iowa, N 40°-44'-50", W 95°-38'-49". This is well within the normal 32.6 kilometers allowed for a Class C2 allotment. Figure 1 also shows that a normal full facility class C2 station would place 70 dBμ over the entire community of Sidney without terrain obstruction. It was determined that channel 299C2 can be allotted to Sidney and meet all of the spacing requirements under 73.207.

Figure 2 is a channel spacing study conducted from the proposed transmitting location for KIMI on channel 299C3 at Sidney. It shows that it will meet all of the spacing requirements under 73.207 with the exception of KMAJ-FM Carbondale, KS operating on channel 299C1, facility ID 42012 and KBBK(FM) Lincoln, NE, operating

on channel 297C1, facility ID 35063. Processing under the provisions of 73.215 is hereby respectfully requested in regards to KMAJ-FM and KBBK(FM).

Figure 3 is a detailed channel interference study for the proposed KIMI and all other pertinent co and adjacent channel stations. There will be no prohibited overlap with any primary service stations.

Figure 4 is a detailed interference study conducted against KMAJ-FM. KIMI proposes to operate with a directional antenna system, with an ERP of 50 kilowatts. This directional antenna will provide interference protection towards KMAJ-FM along with the less than a maximum antenna height of 150 meters for a class C2 station, or 124 meters HAAT in this case. The proposed 40 dB μ (F50,10) interference contour produced by either KIMI or KMAJ-FM will not overlap with the predicted 60 dB μ (F50,50) protected contour of either station.

Figure 5 is a detailed interference study conducted against KBBK(FM). The proposed 100 dB μ (F50,10) interference contour produced by either KIMI or KBBK will not overlap with the predicted 60 dB μ contour of either station.

Both KMAJ-FM and KBBK(FM) were adjusted for maximum class C1 facilities for these studies.

Figure 6 is the proposed directional antenna data.

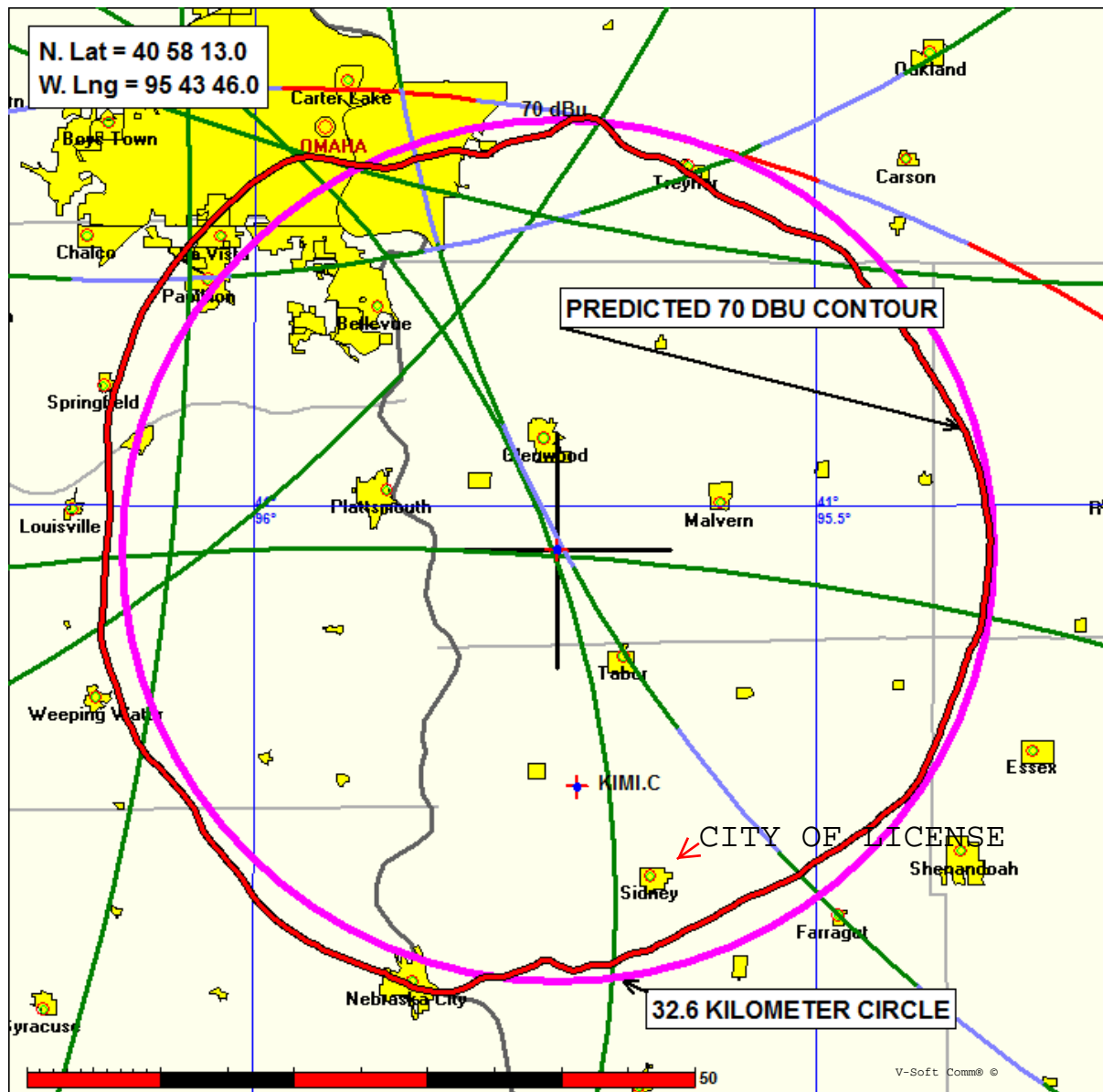
Figure 7 is the predicted 70 dB μ city grade service contour for the proposed operation of KIMI. It shows the contour will completely encompass the entire community of Sidney with out terrain obstruction.

It was determined that the proposed operation of KIMI at Sidney, Iowa on channel 299C2 from its proposed transmitter site will meet all of the requirements for a commercial FM broadcast station under the current technical rules of the commission.

CH 299 C2 107.7 MHz

Current Spacings to 3rd Adj.

FIGURE 1, CHANNEL STUDY FROM ALLOTMENT POINT
KIMI SIDNEY, IOWA, CH. 299C2



Data Date:05-02-12 Job Date:05-08-12

Call	CH#	Type	Location		Azi	D-KM	FCC	Margin
KIMI	299C3	CP -N	Sidney	IA	175.3	17.85	177.0	-158.7
KIMI	300C3	LIC-N	Humboldt	NE	194.1	84.50	117.0	-32.0
KBBK	297C1	LIC	Lincoln	NE	250.3	79.34	79.0	0.8
KMAJ-FM	299C1	LIC	Carbondale	KS	184.0	224.39	224.0	0.9
KKRF	300C3	LIC-N	Stuart	IA	61.8	117.41	117.0	0.9
KTIC-FM	300C2	LIC	West Point	NE	313.8	147.67	130.0	18.2
KILV	298C3	LIC-Z	Castana	IA	346.7	141.26	117.0	24.8
KICD-FM	299C1	LIC	Spencer	IA	11.0	248.60	224.0	25.1
KSYZ-FM	299C1	LIC	Grand Island	NE	275.6	252.78	224.0	29.3
KKDM	298C1	LIC	Des Moines	IA	69.0	217.64	158.0	60.1
KZKX	245C1	LIC	Seward	NE	280.8	94.43	27.0	67.9
KDSN-FM	296A	LIC	Denison	IA	15.6	123.00	55.0	68.5
KVVL	246C3	LIC	Maryville	MO	134.8	90.94	17.0	74.4
KNWI	296C2	LIC	Osceola	IA	87.1	157.25	58.0	99.8
KLTE	300C1	LIC	Kirksville	MO	114.9	259.35	158.0	101.9
KSFT-FM	296A	LIC-N	South Sioux City	NE	341.3	184.10	55.0	129.6
KDVB	245A	LIC	Effingham	KS	170.5	159.63	15.0	145.1

Page # 2

Call	CH#	Type	Location		Azi	D-KM	FCC	Margin
KDVB	245C2	CP	Effingham	KS	171.8	175.74	20.0	156.2
KWIA	246A	CP	Moville	IA	352.3	176.71	15.0	162.2
KMJK	297C1	LIC	North Kansas Cit	MO	145.8	250.61	79.0	172.1
KFMW	300C	LIC	Waterloo	IA	62.5	360.45	188.0	173.0
KCVK	299A	LIC-N	Otterville	MO	135.3	353.93	166.0	188.4
KZRS	300C1	LIC	Great Bend	KS	227.4	354.79	158.0	197.3
KIAQ	245C1	LIC	Clarion	IA	34.1	229.92	27.0	203.4
KXQL	300C2	LIC	Flandreau	SD	345.3	344.58	130.0	215.1
KXQL	300C2	LIC	Flandreau	SD	345.3	344.58	130.0	215.1

All margins are shown with rounding included

FIGURE 2, SPACING STUDY FROM PROPOSED SITE
KIMI SIDNEY, IOWA, CH. 299C2

REFERENCE			DISPLAY DATES
40 56 57.0 N.	CLASS = C2	DATA	05-02-12
95 45 28.0 W.	Current Spacings to 3rd Adj.	SEARCH	05-08-12
----- Channel 299 - 107.7 MHz -----			

Call	Channel	Location		Azi	Dist	FCC	Margin
KIMI	CP -N 299C3	Sidney	IA	166.0	15.92	177.0	-160.6
KBBK	LIC 297C1	Lincoln	NE	251.4	76.31	79.0	-2.2 *
KMAJ-FM	LIC 299C1	Carbondale	KS	183.4	221.89	224.0	-1.6 *
KKRF	LIC-N 300C3	Stuart	IA	61.4	120.62	117.0	4.1
KTIC-FM	LIC 300C2	West Point	NE	315.1	147.60	130.0	18.1
KILV	LIC-Z 298C3	Castana	IA	347.8	143.02	117.0	26.5
KSYZ-FM	LIC 299C1	Grand Island	NE	276.2	250.65	224.0	27.2
KICD-FM	LIC 299C1	Spencer	IA	11.4	251.36	224.0	27.9
KKDM	LIC 298C1	Des Moines	IA	68.7	220.71	158.0	63.2
KZKX	LIC 245C1	Seward	NE	282.5	92.57	27.0	66.1
KDSN-FM	LIC 296A	Denison	IA	16.3	125.91	55.0	71.4
KVVL	LIC 246C3	Maryville	MO	132.7	91.05	17.0	74.6
KNWI	LIC 296C2	Osceola	IA	86.3	159.76	58.0	102.3
KLTE	LIC 300C1	Kirksville	MO	114.2	260.55	158.0	103.1
KSFT-FM	LIC-N 296A	South Sioux City	NE	342.2	185.58	55.0	131.1
KDVB	LIC 245A	Effingham	KS	169.5	157.73	15.0	143.2
KDVB	CP 245C2	Effingham	KS	170.9	173.78	20.0	154.3
KWIA	CP 246A	Moville	IA	353.1	178.73	15.0	164.2
KMJK	LIC 297C1	North Kansas City	MO	145.0	250.05	79.0	171.6
KFMW	LIC 300C	Waterloo	IA	62.3	363.64	188.0	176.1
KCVK	LIC-N 299A	Otterville	MO	134.7	353.97	166.0	188.5
KZRS	LIC 300C1	Great Bend	KS	227.4	351.45	158.0	194.0
KIAQ	LIC 245C1	Clarion	IA	34.2	233.20	27.0	206.7
KXQL	LIC 300C2	Flandreau	SD	345.8	346.26	130.0	216.8

All margins are shown with rounding included

* Processing is being requested under 72.215 towards KBBK Lincoln, NE and KMAJ-FM Carbondale, KS. See the technical statement for more details.

FIGURE 3, DETAILED INTERFERENCE STUDY

KIMI SIDNEY, IOWA, CH. 299C2

REFERENCE
40 56 57.0 N.
95 45 28.0 W.

CH# 299C2 - 107.7 MHz, Pwr= 50 kW DA, HAAT= 124.0 M, COR= 443 M

Average Protected F(50-50)= 48.56 km
Standard Directional

DISPLAY DATES
DATA 05-02-12
SEARCH 05-08-12

CH CITY	CALL	TYPE ANT STATE	AZI ---	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
299C3 KIMI Si dney	CP NCX IA	166.0 346.0	15.92 BPH20110926AEC	40 48 36.0 95 42 43.0	3.800 134	81.1 443	26.6 Kona Coast Radio, LIc	-116.1*	-147.1*	
299C1 KMAJ-FM^ Carbondale	LIC _CX KS	183.4 3.3	222.19 BLH20090618ABH	38 57 15.0 95 54 43.0	100.000 299	176.3 639	75.0 Cumulus Li censi ng LI c	0.6	26.9	
297C1 KBBK^ Li ncoln	LIC _C_ NE	251.4 70.8	76.14 BMLH20011030AAN	40 43 38.0 96 36 51.0	100.000 299	10.0 691	71.6 Nrg License Sub, LI c	27.7	0.7	
300C3 KKRF^ Stuart	LIC NCX IA	61.4 242.2	120.62 BLH20070125ACA	41 27 40.0 94 29 22.0	9.400 150	52.7 540	34.6 M&m Broadcasti ng, Inc.	117.0R	4.1M	
300C2 KTIC-FM^ West Point	LIC _CX NE	315.1 134.2	147.60 BLH20080910AAW	41 52 53.0 97 00 58.0	33.000 182	78.9 653	52.7 Nebraska Rural Radi o Assoc	130.0R	18.1M	
298C3 KILV^ Castana	LIC ZCX IA	347.8 167.6	143.02 BLED20021002ACU	42 12 26.0 96 07 26.0	25.000 100	62.8 432	41.3 Educational Media Foundati	117.0R	26.5M	
299C1 KSYZ-FM^ Grand Isl and	LIC _CX NE	276.2 94.2	250.65 BLH20080620ACB	41 09 13.0 98 43 37.0	100.000 280	172.3 893	72.5 Nrg License Sub, LI c	224.0R	27.2M	
299C1 KICD-FM^ Spencer	LIC _CX IA	11.4 191.8	251.36 BMLH20091123AHP	43 09 57.0 95 08 46.0	100.000 87	144.7 506	49.0 Saga Communi cations Of Iow	224.0R	27.9M	
298C1 KKDM^ Des Moi nes	LIC _CN IA	68.7 250.3	220.71 BLH19980202KG	41 38 38.0 93 17 20.0	100.000 220	96.1 485	65.0 Clear Channel Broadcasti ng	158.0R	63.2M	
245C1 KZKX^ Seward	LIC _CN NE	282.5 101.8	92.57 BLH7204	41 07 26.0 96 50 03.0	100.000 177	12.8 605	58.8 Three Eagles Of Li ncoln, I	27.0R	66.1M	
296A KDSN-FM^ Deni son	LIC _CX IA	16.3 196.6	125.91 BLH20040204AAT	42 02 10.0 95 19 44.0	6.000 92	2.7 495	26.6 Mi kadety Radi o Corporati on	55.0R	71.4M	
246C3 KVVU^ Maryvi lle	LIC _CX MO	132.7 313.2	91.05 BLH20021022ABC	40 23 31.0 94 58 04.0	21.500 108	12.8 425	58.8 Nodaway Broadcasti ng Corpo	17.0R	74.6M	
296C2 KNWI ^ Osceol a	LIC _CX IA	86.3 267.5	159.76 BMLED20041101AFU	41 01 34.0 93 51 43.0	27.000 198	5.7 540	51.2 Northwestern College	58.0R	102.3M	
300C1 KLTE^ Ki rksvi lle	LIC _CY MO	114.2 296.0	260.55 BLH19910605KD	39 57 23.0 92 58 29.0	100.000 299	104.7 570	72.1 Bott Communi cations, Inc.	158.0R	103.1M	
296A KSFT-FM^ South Si oux Ci ty	LIC NCX NE	342.2 161.8	185.58 BLH20021104AHF	42 32 16.0 96 26 58.0	2.300 99	2.3 460	25.1 Amfm Radi o Li censes, L.I. c	55.0R	131.1M	
245A KDVB^ Effi ngham	LIC _CX KS	169.5 349.7	157.73 BLH20080314ACK	39 33 07.0 95 25 23.0	0.120 69	12.8 396	58.8 Cumulus Li censi ng LI c	15.0R	143.2M	
245C2 KDVB^ Effi ngham	CP _CX KS	170.9 351.1	173.78 BPH20080321ACL	39 24 12.0 95 26 18.0	8.100 188	12.8 503	58.8 Cumulus Li censi ng LI c	20.0R	154.3M	
246A KWI A^ Movi lle	CP _CX IA	353.1 173.0	178.73 BNPED20100225AAV	42 32 47.3 96 01 08.2	5.200 109	12.8 509	58.8 Iowa State Uni versi ty Of S	15.0R	164.2M	
297C1 KMJK^ North Kansas Ci ty	LIC _C_ MO	145.0 326.1	250.05 BLH20071003AA0	39 05 40.0 94 05 47.0	100.000 299	10.4 539	73.8 Ar Li censi ng, LI c	79.0R	171.6M	
300C KFMW^ Waterl oo	LIC _C_ IA	62.3 244.9	363.64 BLH20031113AIR	42 24 02.0 91 50 36.0	100.000 550	133.9 834	89.7 Woodward Communi cations, I	188.0R	176.1M	
299A KCVK^ Ottervi lle	LIC NCX MO	134.7 316.6	353.97 BLED20110511AFK	38 40 26.0 92 51 44.0	3.700 125	85.1 378	29.0 Lake Area Educational Broa	166.0R	188.5M	
300C1 KZRS^ Great Bend	LIC _CY KS	227.4 45.5	351.45 BLH19860212KI	38 46 16.0 98 44 17.0	100.000 277	105.4 831	72.5 Rocki ng M Radi o, Inc.	158.0R	194.0M	
245C1 KIAQ^ Cl arion	LIC _CN IA	34.2 215.3	233.20 BLH19870120KA	42 40 18.0 94 09 11.0	100.000 176	12.8 518	58.8 Three Eagles Of Fort Dodge	27.0R	206.7M	
300C2 KXQL^ Fl andreau	LIC _C_ SD	345.8 165.1	346.26 BLH20010612ADB	43 57 56.0 96 49 11.0	21.000 232	76.8 732	52.1 Backyard Broadcasti ng Sout	130.0R	216.8M	

Terrain database is NGDC 30 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

FIGURE 4, DETAILED INTERFERENCE STUDY WITH KMAJ CH. 299C1
KIMI SIDNEY, IOWA, CH. 299C2

FMCommander Single Allocation Study - 05-08-2012 - NGDC 30 SEC
KIMI.C's Overlaps (In= 0.61 km, Out= 26.91 km)

KIMI.C CH 299 C2 DA
Lat= 40 56 57.0, Lng= 95 45 28.0
50.0 kW 124 M HAAT, 443 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KMAJ-FM^ CH 299 C1 BLH20090618ABH
Lat= 38 57 15.0, Lng= 95 54 43.0
Max CIs: 100.0 kW 299 M HAAT, 638.6 M COR
Prot.= 60 dBu, Intef.= 40 dBu

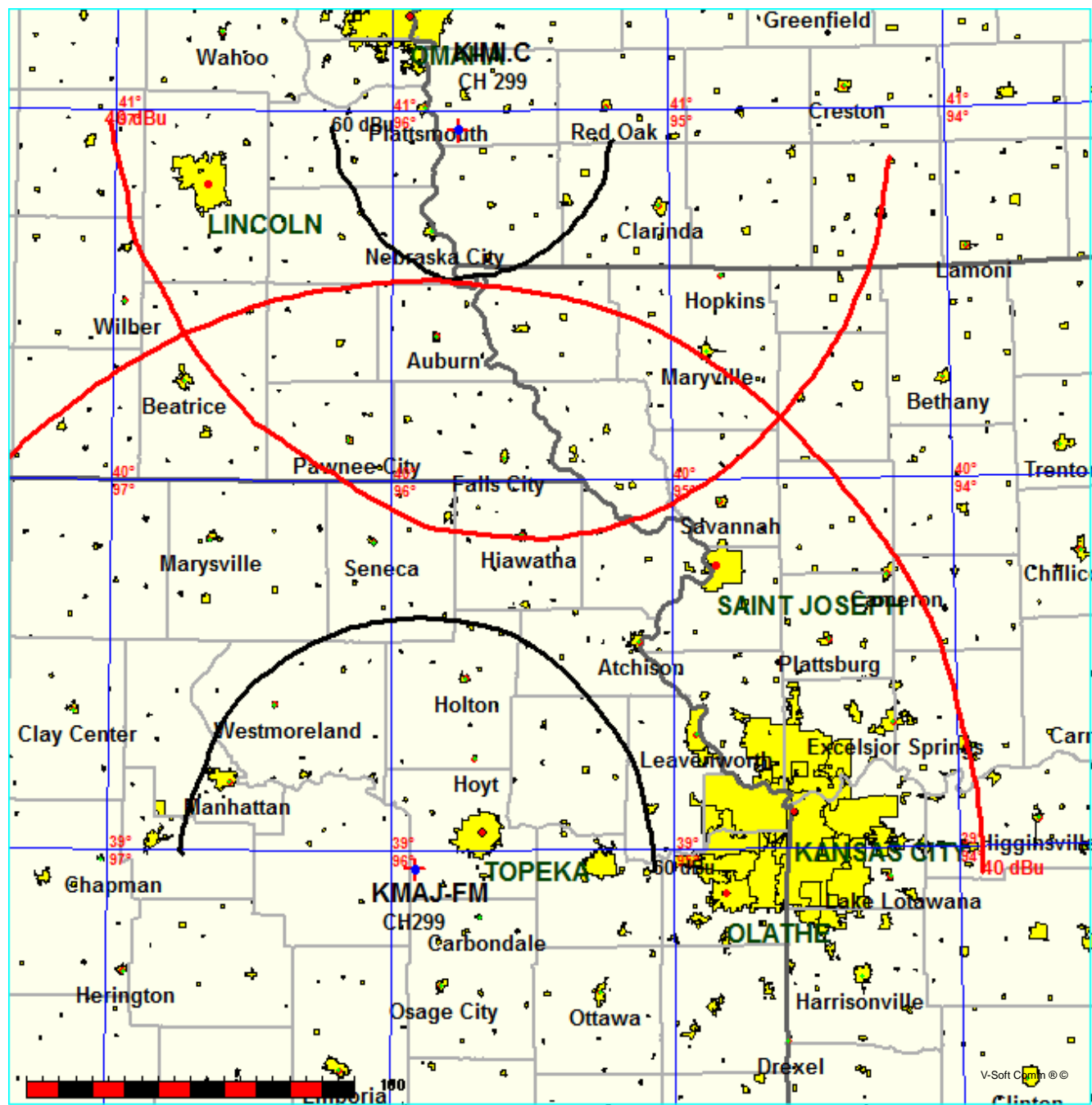


FIGURE 5, DETAILED INTEFERENCE STUDY WITH KBBK CH. 297C1
KIMI SIDNEY, IOWA, CH. 299C2

FMCommander Single Allocation Study - 05-08-2012 - NGDC 30 SEC
KIMI.C's Overlaps (In= 27.67 km, Out= 0.67 km)

KIMI.C CH 299 C2 DA

Lat= 40 56 57.0, Lng= 95 45 28.0

50.0 kW 124 M HAAT, 443 M COR

Prot.= 60 dBu, Intef.= 100 dBu

KBBK^ CH 297 C1 BMLH20011030AAN

Lat= 40 43 38.0, Lng= 96 36 51.0

Max CIs: 100.0 kW 299 M HAAT, 691 M COR

Prot.= 60 dBu, Intef.= 100 dBu

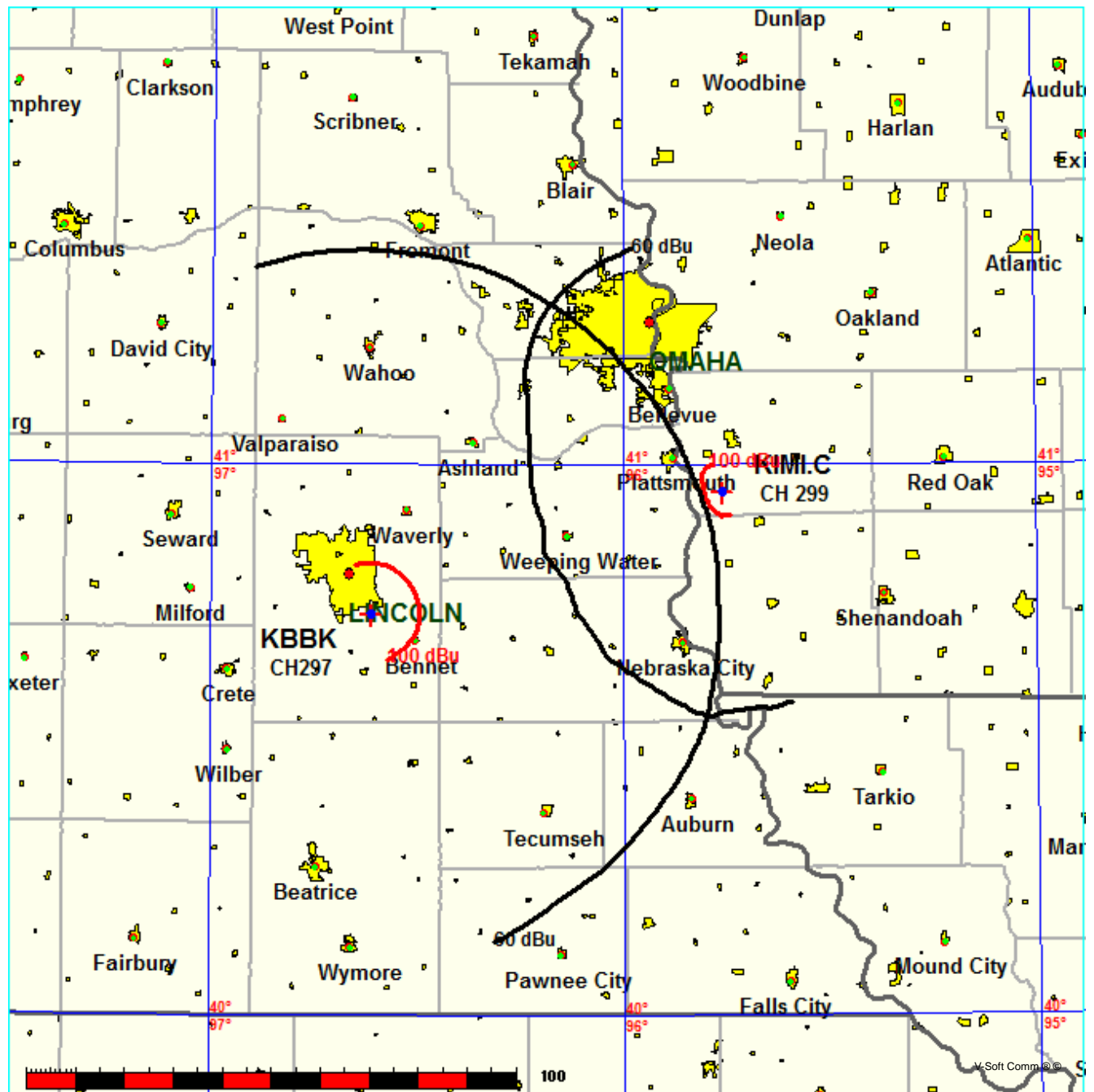


FIGURE 6, DIRECTIONAL ANTENNA DATA

KIMI SIDNEY, IOWA

05-08-2012

RMS(V)= .862

PSI 10 BAY, 1/2 WAVE SPACED DIRECTIONAL ANTENNA SYSTEM

Graph is Relative Field

Azi	Field	dBk	kw
000	1.000	16.990	50.000
010	1.000	16.990	50.000
020	1.000	16.990	50.000
030	1.000	16.990	50.000
040	1.000	16.990	50.000
050	1.000	16.990	50.000
060	1.000	16.990	50.000
070	1.000	16.990	50.000
080	1.000	16.990	50.000
090	1.000	16.990	50.000
100	1.000	16.990	50.000
110	1.000	16.990	50.000
120	1.000	16.990	50.000
130	1.000	16.990	50.000
140	1.000	16.990	50.000
150	0.973	16.752	47.336
160	0.913	16.199	41.678
170	0.837	15.444	35.028
180	0.717	14.100	25.704
190	0.608	12.668	18.483
200	0.531	11.492	14.098
210	0.500	10.969	12.500
220	0.500	10.969	12.500
230	0.500	10.969	12.500
240	0.500	10.969	12.500
250	0.500	10.969	12.500
260	0.500	10.969	12.500
270	0.531	11.492	14.098
280	0.608	12.668	18.483
290	0.717	14.100	25.704
300	0.837	15.444	35.028
310	0.913	16.199	41.678
320	0.973	16.752	47.336
330	1.000	16.990	50.000
340	1.000	16.990	50.000
350	1.000	16.990	50.000

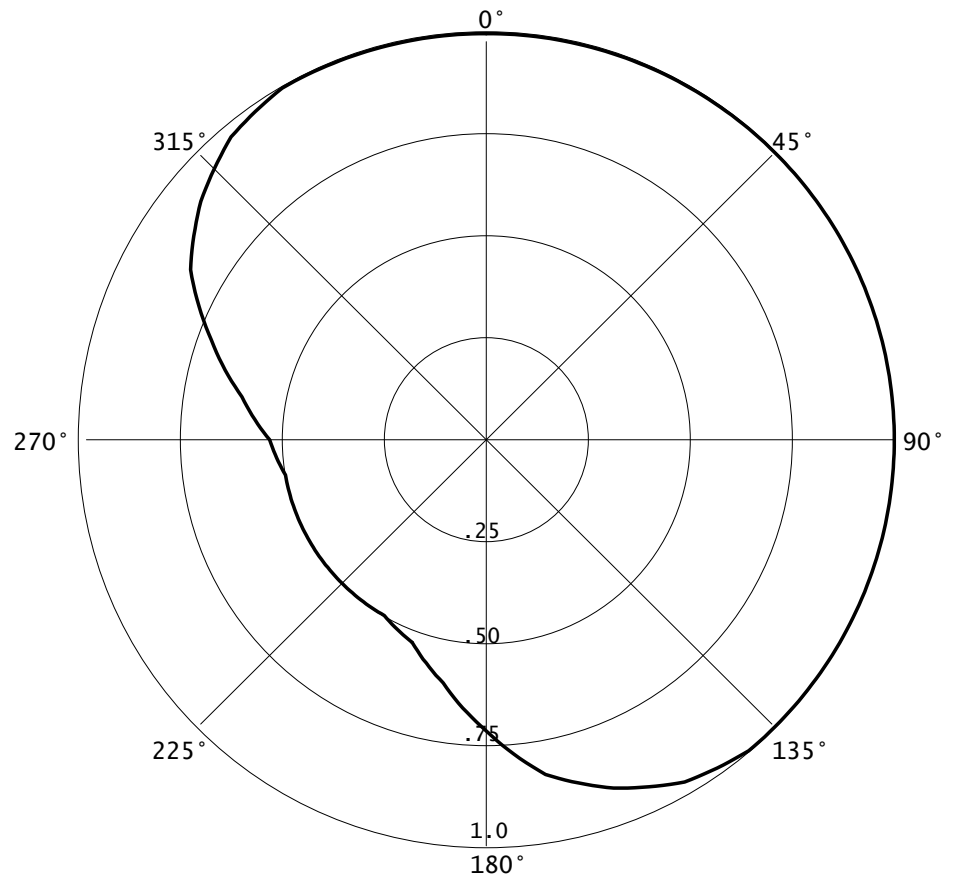
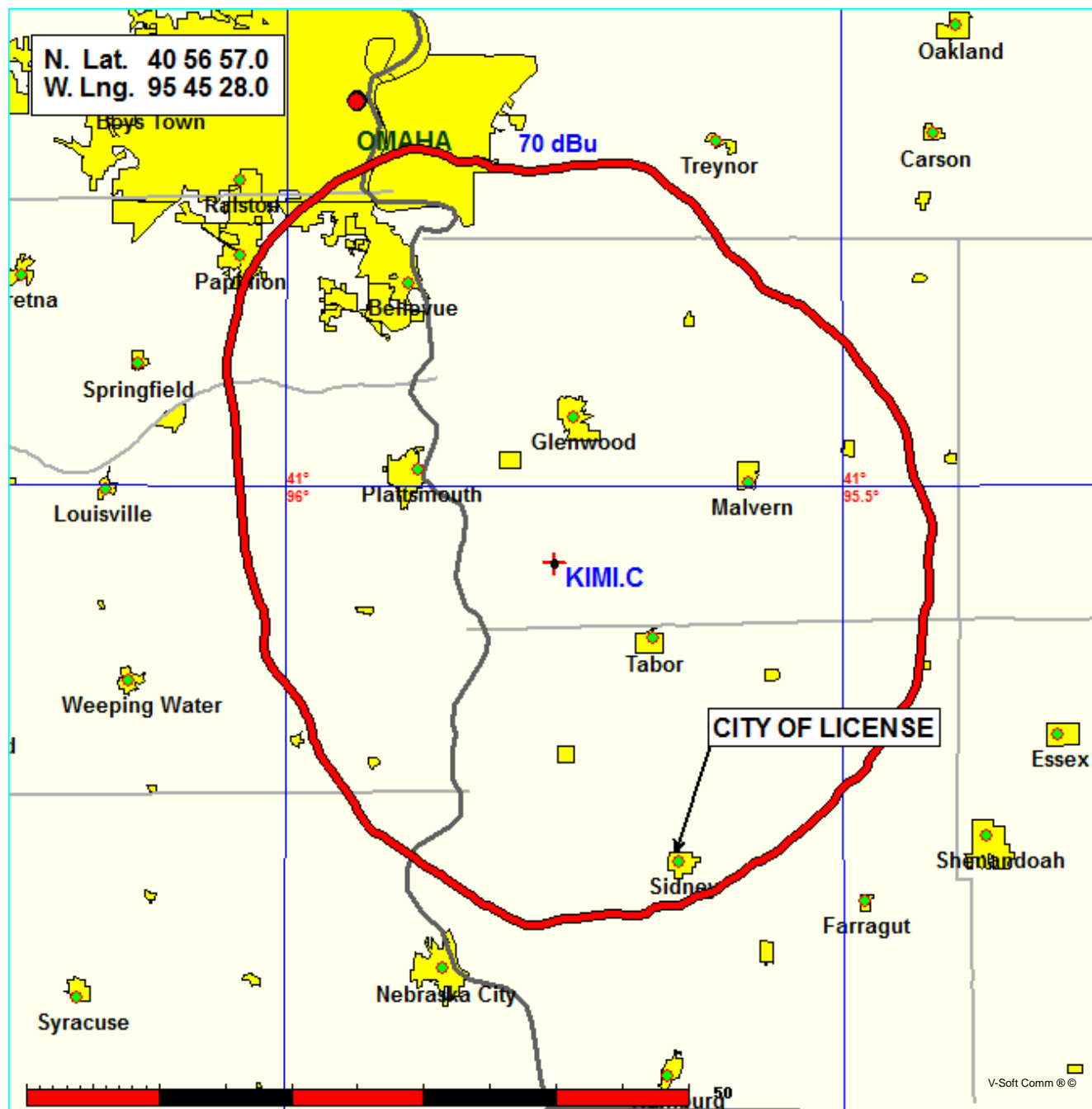


FIGURE 7, PREDICTED 70 DBU CONTOUR OVER SIDNEY, IA
KIMI SIDNEY, IOWA, CH. 299C2

Coverage Study - NGDC 30 SEC
05-08-2012

KIMI-C CH299 C2, 50.0 kW, 124.0M HAAT, 443.0M COR AMSL
Service Contour = 70 dBu. Population = 129,067



Contour.out

N. Lat. = 405657.0 W. Lng. = 954528.0
 HAAT and Distance to Contour,
 FCC, FM 2-10 Mi, 51 pts Method - NGDC 30 SEC

FIGURE 8, DISTANCE TO CONTOURS, KIMI SIDNEY, IA 299C2

Azi.	AV EL	HAAT	dBk	60-F5	40-F1	100-F1
000	324.3	118.7	16.99	47.80	133.43	5.34
010	315.2	127.8	16.99	49.10	134.68	5.52
020	328.3	114.7	16.99	47.18	132.85	5.26
030	348.3	94.7	16.99	43.80	129.69	4.76
040	352.0	91.0	16.99	43.12	129.05	4.65
050	344.2	98.8	16.99	44.55	130.39	4.87
060	339.8	103.2	16.99	45.31	131.11	4.98
070	334.8	108.2	16.99	46.15	131.89	5.10
080	334.9	108.1	16.99	46.13	131.87	5.10
090	334.8	108.2	16.99	46.15	131.89	5.10
100	334.5	108.5	16.99	46.20	131.93	5.11
110	330.2	112.8	16.99	46.89	132.58	5.21
120	336.0	107.0	16.99	45.94	131.69	5.07
130	339.9	103.1	16.99	45.29	131.09	4.97
140	341.8	101.2	16.99	44.96	130.78	4.93
150	340.3	102.7	16.75	44.75	129.77	4.89
160	332.8	110.2	16.20	44.90	128.02	4.90
170	328.3	114.7	15.44	44.10	124.58	4.77
180	307.0	136.0	14.10	44.36	120.52	4.74
190	287.7	155.3	12.67	44.05	116.01	4.62
200	286.4	156.6	11.49	41.90	110.28	4.28
210	285.6	157.4	10.97	40.98	107.97	4.14
220	295.7	147.3	10.97	39.76	106.43	4.00
230	305.0	138.0	10.97	38.62	105.02	3.88
240	317.8	125.2	10.97	37.07	103.04	3.72
250	306.4	136.6	10.97	38.45	104.81	3.87
260	313.0	130.0	10.97	37.64	103.78	3.78
270	308.8	134.2	11.49	39.13	106.76	3.97
280	317.2	125.8	12.67	40.29	111.05	4.16
290	320.8	122.2	14.10	42.54	118.20	4.50
300	306.5	136.5	15.44	47.13	127.92	5.18
310	294.6	148.4	16.20	50.34	133.48	5.66
320	290.8	152.2	16.75	51.99	136.80	5.92
330	291.2	151.8	16.99	52.43	137.96	6.00
340	291.9	151.1	16.99	52.34	137.87	5.98
350	316.3	126.7	16.99	48.94	134.52	5.50

Ave EI = 318.98 M HAAT= 124.02 M AMSL= 443