

TECHNICAL STATEMENT AND 73.215 PROCESSING REQUEST
KIMI SIDNEY, IOWA, CH. 299C3
FCC FORM 301
KONA COAST RADIO, LLC
SEPTEMBER 2011

This Technical Statement is made in support of a minor change application being filed by KIMI(FM) Humboldt, Nebraska, Channel 300C3, facility ID 189501, license application pending, BLH-20110902ACF. KIMI seeks to change its city of license from Humboldt, Nebraska to the new first local service community of Sidney, Iowa. It proposes operation on its first adjacent channel, 299C3, with a new Effective Radiated Power of 3.8 Kilowatts with an antenna height of 443 meters Above Mean Sea Level, 80 meter above ground, and 134 meters Height Above Average Terrain with its Center of Radiation. It will operate from an existing FCC registered tower number 1064676.

Figure 1 shows a channel spacing study conducted from the proposed allotment point of N. 40°-50'-47", W 95°-38'-52" for channel 299C3. The allotment point is located approximately 11 kilometers north of the community reference coordinates for Sidney, Iowa, N 40°-44'-50", W 95°-38'-49". This is well within the normal 23.2 kilometers allowed for a Class C3 allotment. Figure 1 also shows that a normal full facility class C3 station would place 70 dBμ over the entire community of Sidney without terrain obstruction. It was determined that channel 299C3 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. Processing under the provisions of 73.215 is hereby respectfully requested in regards to KMAJ-FM.

Figure 3 is a detailed interference study conducted against KMAJ-FM. KIMI proposes to operate with a non-directional antenna system, but with a reduced ERP of 3.8 kilowatts. 3.4 kilowatts ERP would be the maximum allowed for a class A at this proposed site with the proposed HAAT (134 meters), so the proposed operation for KIMI will be a Class C3. This reduced ERP will provide interference protection towards KMAJ-FM. 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. The two stations are separated by 206.8 kilometers. The minimum allowable spacing required for a class C3 to another class C1 station operating on the same channel under 73.215 is 200 kilometers.

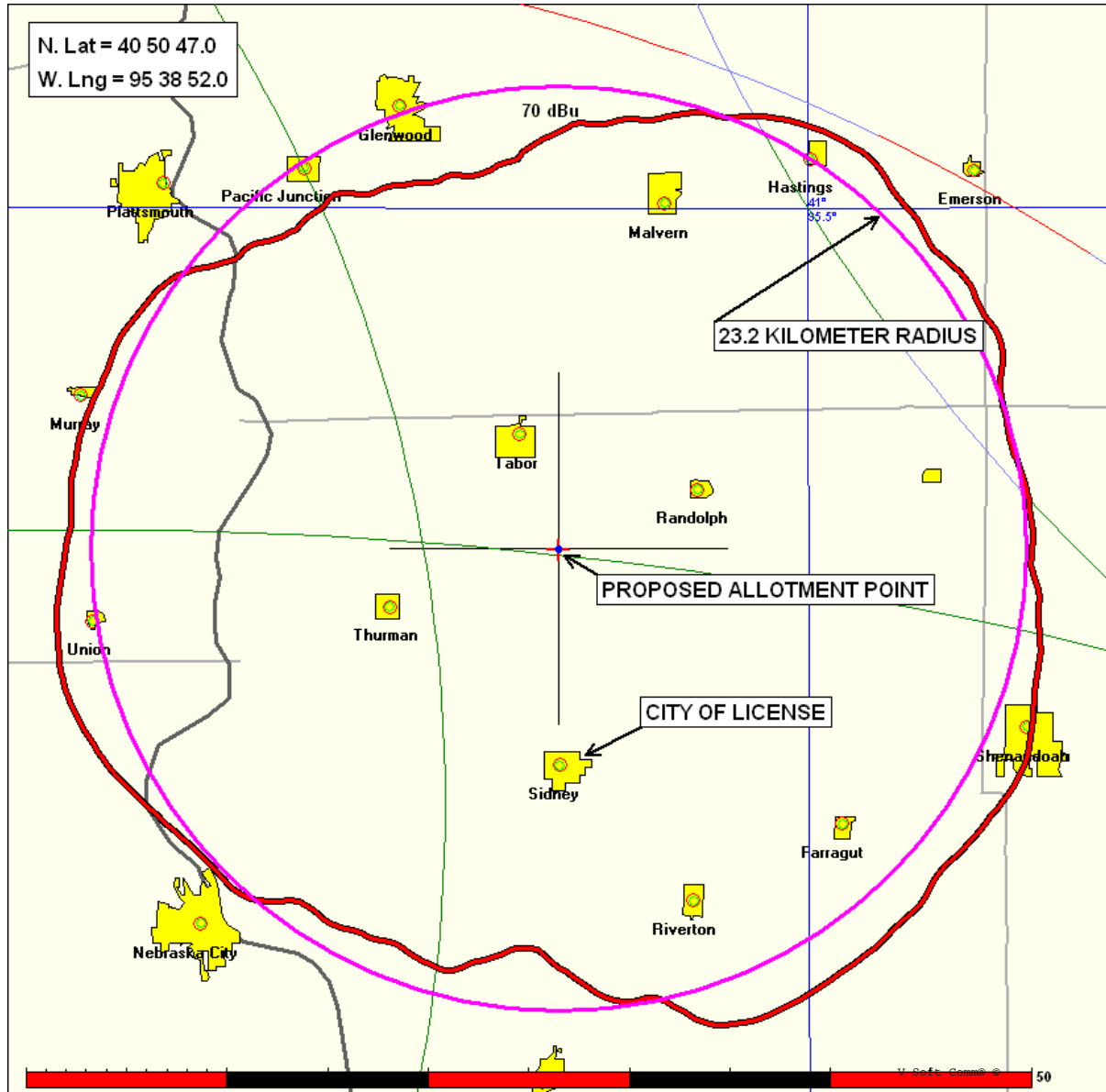
Figure 4 is the predicted 70 dB μ city grade service contour for the proposed operation of KIMI. It shows the contour will completely encompass the entire community of Sidney with out terrain obstruction.

It was determined that the proposed operation of KIMI at Sidney, Iowa on channel 299C3 from its proposed transmitter will meet all of the requirements for a commercial FM broadcast station under the current technical rules of the commission.

CH 299 C3 107.7 MHz

Current Spacings to 3rd Adj.

FIGURE 1 - CHANNEL SPACING STUDY FROM ALLOTMENT POINT
KIMI SIDNEY, IOWA, CH. 299C3



Data Date:09-23-11 Job Date:09-23-11

Call	CH#	Type	Location		Azi	D-KM	FCC	Margin
KIMI *	300C3	CP -N	Humboldt	NE	201.9	73.5	99.0	-25.5 *
KMAJ-FM	299C1	LIC	Carbondale	KS	186.2	211.3	211.0	0.31
KBBK	297C1	LIC	Lincoln	NE	261.1	82.6	76.0	6.6
KKRF	300C3	LIC-N	Stuart	IA	54.4	118.8	99.0	19.8
KTIC-FM	300C2	LIC	West Point	NE	315.7	162.2	117.0	45.2
KICD-FM	299C1	LIC	Spencer	IA	9.0	261.0	211.0	50.0
KSyz-FM	299C1	LIC	Grand Island	NE	278.5	261.3	211.0	50.3
KILV	298C3	LIC-Z	Castana	IA	345.5	156.3	99.0	57.3
KVVL	246C3	LIC	Maryville	MO	131.1	76.5	14.0	62.5
KKDM	298C1	LIC	Des Moines	IA	65.0	216.7	144.0	72.7
KZKX	245C1	LIC	Seward	NE	287.6	104.5	24.0	80.5
KDSN-FM	296A	LIC	Denison	IA	11.3	134.8	42.0	92.8
KNWI	296C2	LIC	Osceola	IA	81.8	151.7	56.0	95.7
KLTE	300C1	LIC	Kirksville	MO	112.7	247.5	144.0	103.5
KDVB	245A	LIC	Effingham	KS	172.4	145.0	12.0	133.0
KDVB	245C2	CP	Effingham	KS	173.6	161.2	17.0	144.2
KSFT-FM	296A	LIC-N	South Sioux City	NE	340.8	199.4	42.0	157.4

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Call	CH#	Type	Location		Azi	D-KM	FCC	Margin

KMJK	297C1	LIC	North Kansas Cit	MO	145.3	235.4	76.0	159.4
AL5573	246A	VAC	Moville	IA	350.8	184.6	12.0	172.6
1433006	246A	RSV-A	Moville	IA	350.8	184.6	12.0	172.6
1432943	246A	APP	Moville	IA	350.8	191.3	12.0	179.3
KFMW	300C	LIC	Waterloo	IA	60.1	361.0	176.0	185.0
KCVK	299A	LIC-N	Otterville	MO	134.5	339.4	142.0	197.4
KCVK	299A	LIC-N	Otterville	MO	134.5	339.4	142.0	197.4

RSV-R, reserved, needs protection, RSV-A, allocation, does not if a CP or LIC has been granted.

* Station being modified by this application.

FIGURE 2, CHANNEL SPACING STUDY FROM PROPOSED SITE
KIMI SIDNEY, IOWA, CH. 299C3

REFERENCE			DISPLAY DATES
40 48 36.0 N.	CLASS = C3		DATA 09-23-11
95 42 43.0 W.	Current Spacings to 3rd Adj.		SEARCH 09-23-11
----- Channel 299 - 107.7 MHz -----			

Call	Channel	Location		Azi	Dist	FCC	Margin
KIMI *	CP -N 300C3	Humboldt	NE	198.9	67.9	99.0	-31.2 *
KMAJ-FM **	LIC 299C1	Carbondale	KS	184.8	206.8	211.0	-4.2 **
KBBK	LIC 297C1	Lincoln	NE	263.4	76.7	76.0	0.7
KKRF	LIC-N 300C3	Stuart	IA	54.3	125.6	99.0	26.6
KTIC-FM	LIC 300C2	West Point	NE	318.0	161.5	117.0	44.5
KSYZ-FM	LIC 299C1	Grand Island	NE	279.6	256.6	211.0	45.6
KICD-FM	LIC 299C1	Spencer	IA	9.9	265.8	211.0	54.8
KILV	LIC-Z 298C3	Castana	IA	347.7	158.9	99.0	59.9
KVVL	LIC 246C3	Maryville	MO	126.3	78.2	14.0	64.3
KZKX	LIC 245C1	Seward	NE	290.7	100.7	24.0	76.7
KKDM	LIC 298C1	Des Moines	IA	64.6	223.3	144.0	79.3
KDSN-FM	LIC 296A	Denison	IA	13.1	139.9	42.0	97.9
KNWI	LIC 296C2	Osceola	IA	80.6	157.7	56.0	101.7
KLTE	LIC 300C1	Kirksville	MO	111.4	251.0	144.0	107.0
KDVB	LIC 245A	Effingham	KS	170.0	141.8	12.0	129.8
KDVB	CP 245C2	Effingham	KS	171.4	157.9	17.0	140.9
KMJK	LIC 297C1	North Kansas City	MO	143.7	235.3	76.0	159.3
KSFT-FM	LIC-N 296A	South Sioux City	NE	342.6	201.5	42.0	159.5
1433006	RSV-A 246A	Moville	IA	352.5	187.8	12.0	175.8
AL5573	VAC 246A	Moville	IA	352.5	187.8	12.0	175.8
1432943	APP 246A	Moville	IA	352.6	194.5	12.0	182.5
KFMW	LIC 300C	Waterloo	IA	59.9	367.7	176.0	191.7
KCVK	LIC-N 299A	Otterville	MO	133.4	340.5	142.0	198.5

RSV-R = reserved and needs protection, RSV-A = allocation

* Station being modified by this application. KIMI license application pending, BLH-20110902ACF.

** Contour protection is hereby being requested towards KMAJ-FM Carbondale, KS under the provisions of 73.215. See the Technical Statement for more details.

FIGURE 3 - DETAILED INTERFERENCE STUDY WITH KMAJ-FM 299C1
KIMI SIDNEY, IOWA, CH. 299C3

FMCommander Single Allocation Study - 09-23-2011 - NGDC 30 SEC
KIMI.C's Overlaps (In= 0.35 km, Out= 44.66 km)

KIMI.C CH 299 C3 73.215 N
Lat= 40 48 36.0, Lng= 95 42 43.0
3.8 kW 134.4 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

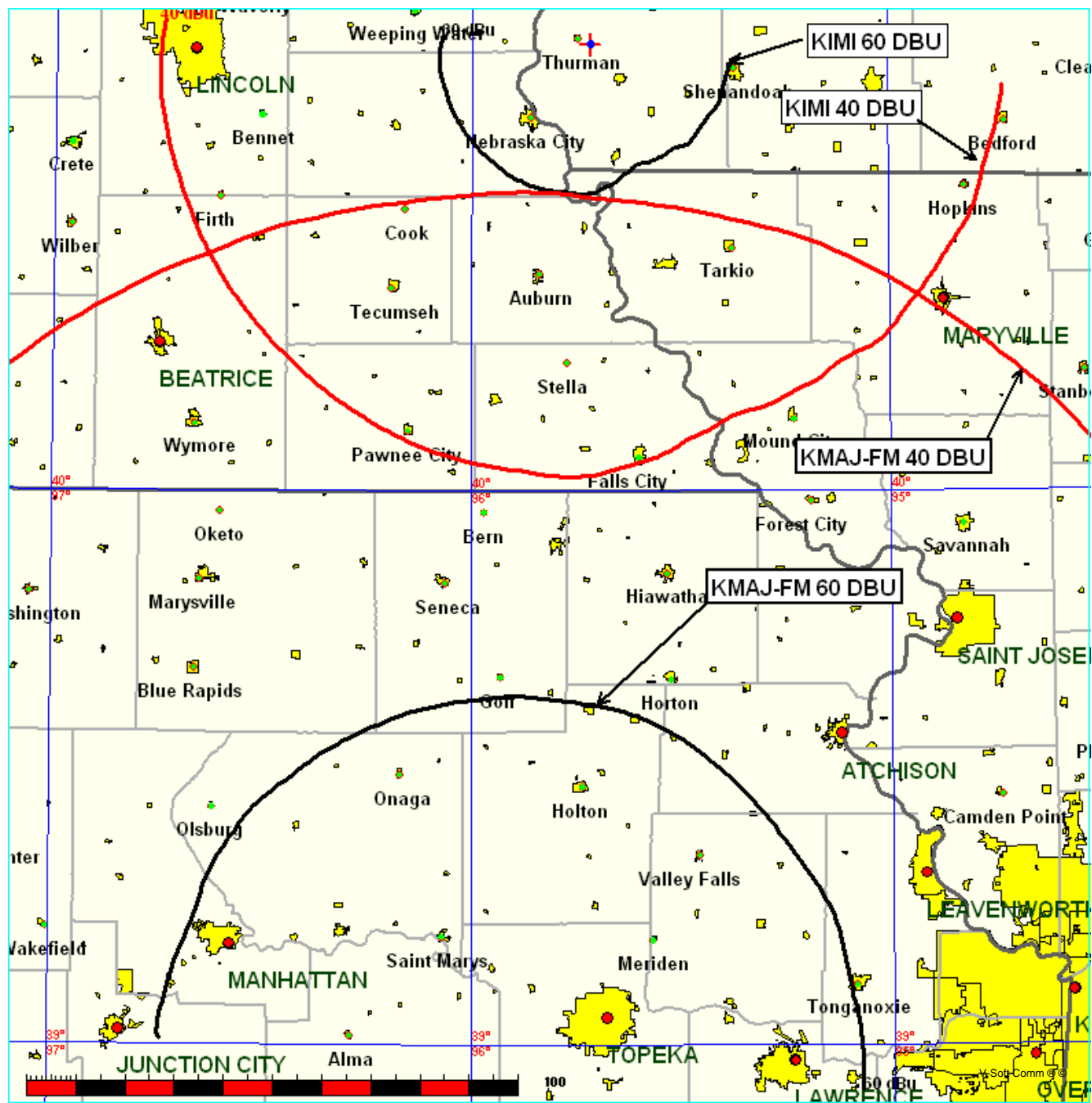


FIGURE 4 - PREDICTED 70 DBU CONTOUR
KIMI SIDNEY, IOWA, CH. 299C3

Coverage Study - NGDC 30 SEC
09-23-2011

KIMI-C CH299 C3, 3.8 kW, 134.4M HAAT, 443.0M COR AMSL
Service Contour = 70 dBu. Population = 6,463

