

TECHNICAL STATEMENT AND 73.215 PROCESSING REQUEST
NEW(FM) HUMBOLDT, NEBRASKA, CH. 300C3
KONA COAST RADIO, LLC
FCC FORM 301
MAY 2011

The Technical Statement is in support of an FCC long form 301 application for a new FM station for Humboldt, Nebraska. The applicant, Kona Coast Radio, LLC seeks to propose operation on channel 300C3 at an existing 101.5 meter, FCC registration number 1026280, tower site located just north of Humboldt, Nebraska. The new proposed operation will operate with 6.1 KW Effective Radiated Power, with an antenna height of 420 meters Above Mean Sea Level, and 82 meters Above Average terrain, horizontal polarization only.

This application is being filed by Kona Coast Radio, LLC, the provisional winner of channel 272C3 at Humboldt, Nebraska in the recent FCC FM broadcast auction number 91. While the original channel from auction 91 was designated as 272C3, the applicant now seeks to operate from a more desirable tower site on the equivalent class channel of 300C3. Channel 300C3 is available for use at Humboldt, Nebraska as a class C3 allotment.

Figure 1 attached shows a channel spacing study conducted at a reference point just 12 kilometers north of the community of Humboldt. The coordinates of this proposed allotment point for channel 300C3 at Humboldt are: N 40° 16' 27", W 95° 54' 39". At this point, the proposed use of channel 300C3 meets all of the separation requirements under 73.207 towards other pertinent stations and allotments.

Figure 2 attached is a channel study conducted at the proposed transmitter location for the New FM at Humboldt. The site is located at: N. 40° 13' 55", W. 95° 58'

17". The study shows that the new proposed FM will meet all of the spacing requirements under 73.207 with the exception of for KMAJ-FM Carbondale, Kansas, facility ID 42012, operating on channel 299C1.

Figure 3 is a detailed interference study conducted against the proposed operation of KMAJ-FM. KMAJ-FM was adjusted for maximum class C1 facilities. As can be seen, there will be no overlap of either of the stations proposed 60 dB μ protected contours, and the proposed 54 dB μ interference contours.

Processing under the provisions of 73.215 is hereby respectfully requested in regards to the operation of KMAJ-FM Carbondale, Kansas.

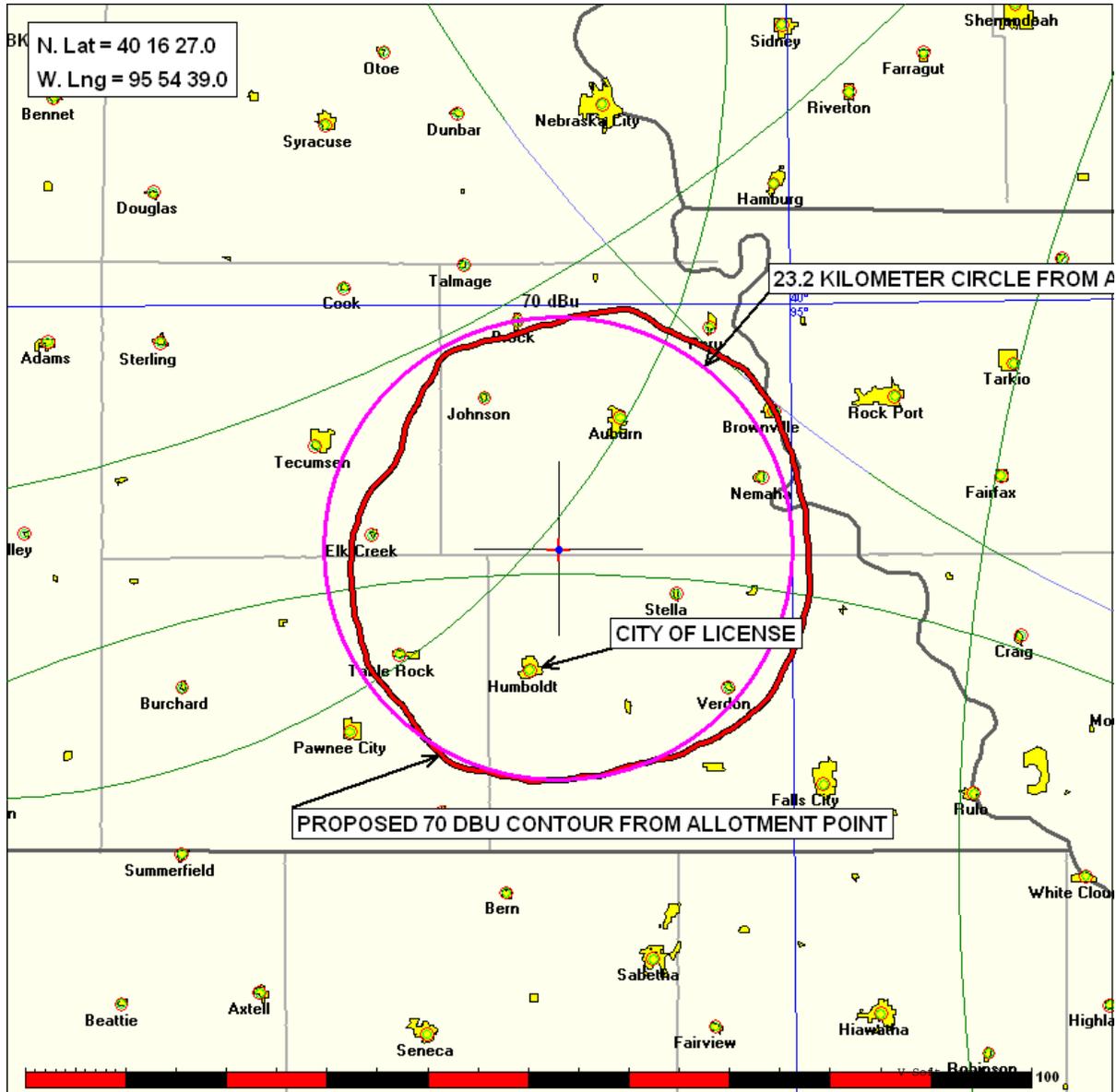
Figure 4 is a map showing the predicted 70 dB μ city grade contour for the New FM at Humboldt. It documents that this contour will completely encompass the entire community of Humboldt without any major terrain obstructions.

It was determined that this new proposed operation at Humboldt, Nebraska on channel 300C3 will meet all of the pertinent rules of the commission for a new commercial FM broadcast station.

CH 300 C3 107.9 MHz

Current Spacings to 3rd Adj.

FIGURE 1, PROPOSED CHANNEL STUDY FROM ALLOTMENT POINT
NEW FM, HUMBOLDT, NE, CH. 300C3.



Data Date:05-10-11 Job Date:05-12-11

Call	CH#	Type	Location	Azi	D-KM	FCC	Margin	
KBBK	297C1	LIC	Lincoln	NE	310.5	78.0	76.0	2.0
KMAJ-FM	299C1	LIC	Carbondale	KS	180.0	146.6	144.0	2.6
KTIC-FM	300C2	LIC	West Point	NE	333.0	201.2	177.0	24.2
KKRF	300C3	LIC-N	Stuart	IA	41.7	178.1	153.0	25.1
KLTE	300C1	LIC	Kirksville	MO	97.1	252.8	211.0	41.8
KVVL	246C3	LIC	Maryville	MO	80.4	81.2	14.0	67.2
KZRS	300C1	LIC	Great Bend	KS	236.3	294.9	211.0	83.9
KSYZ-FM	299C1	LIC	Grand Island	NE	293.3	257.2	144.0	113.2
KMJK	297C1	LIC	North Kansas Cit	MO	129.6	203.4	76.0	127.4
KBLR-FM	247C3	LIC-Z	Blair	NE	350.7	153.6	14.0	139.6
KLRX	247C1	RSV-A	Lee's Summit	MO	139.5	174.8	24.0	150.8
KLRX	247C1	LIC-N	Lee's Summit	MO	136.4	180.3	24.0	156.3
KWLS	300C2	LIC	Winfield	KS	194.6	345.1	177.0	168.1
KILV	298C3	LIC-Z	Castana	IA	355.3	215.4	43.0	172.4

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

FIGURE 2, CHANNEL SPACING STUDY FROM PROPOSED SITE
 NEW FM, HUMBOLDT, NE, CH. 300C3.

REFERENCE
 40 13 55.0 N.
 95 58 17.0 W.

CLASS = C3
 Current Spacings to 3rd Adj.

DISPLAY DATES
 DATA 05-10-11
 SEARCH 05-12-11

----- Channel 300 - 107.9 MHz -----

Call	Channel	Location		Azi	Dist	FCC	Margin
KMAJ-FM *	LIC 299C1	Carbondale	KS	177.9	142.0	144.0	-2.0 *
KBBK	LIC 297C1	Lincoln	NE	315.6	77.4	76.0	1.4
KTIC-FM	LIC 300C2	West Point	NE	334.8	203.1	177.0	26.1
KKRF	LIC-N 300C3	Stuart	IA	41.9	185.1	153.0	32.1
KLTE	LIC 300C1	Kirksville	MO	95.9	257.4	211.0	46.4
KVVL	LIC 246C3	Maryville	MO	77.9	87.1	14.0	73.1
KZRS	LIC 300C1	Great Bend	KS	236.5	288.0	211.0	77.0
KSYZ-FM	LIC 299C1	Grand Island	NE	294.7	254.4	144.0	110.4
KMJK	LIC 297C1	North Kansas City	MO	127.6	204.5	76.0	128.6
KBLR-FM	LIC-Z 247C3	Blair	NE	352.8	157.5	14.0	143.6
KLRX	RSV-A 247C1	Lee's Summit	MO	137.2	174.7	24.0	150.7
KLRX	LIC-N 247C1	Lee's Summit	MO	134.2	180.6	24.0	156.6
KWLS	LIC 300C2	Winfield	KS	193.9	339.2	177.0	162.2

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

* Processing under 73.215 is proposed towards KMAJ-FM.

FIGURE 3, DETAILED INTERFERENCE STUDY WITH KMAJ CH. 299C1
 NEW FM, HUMBOLDT, NE, CH. 300C3.

FMCommander Single Allocation Study - 05-12-2011 - NGDC 30 SEC
 NEW's Overlaps (In= -13.27 km, Out= -9.49 km)

NEW CH 300 C3
 Lat= 40 13 55.0, Lng= 95 58 17.0
 6.1 kW 81.7 M HAAT, 420 M COR
 Prot.= 60 dBu, Intef.= 54 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.= 54 dBu

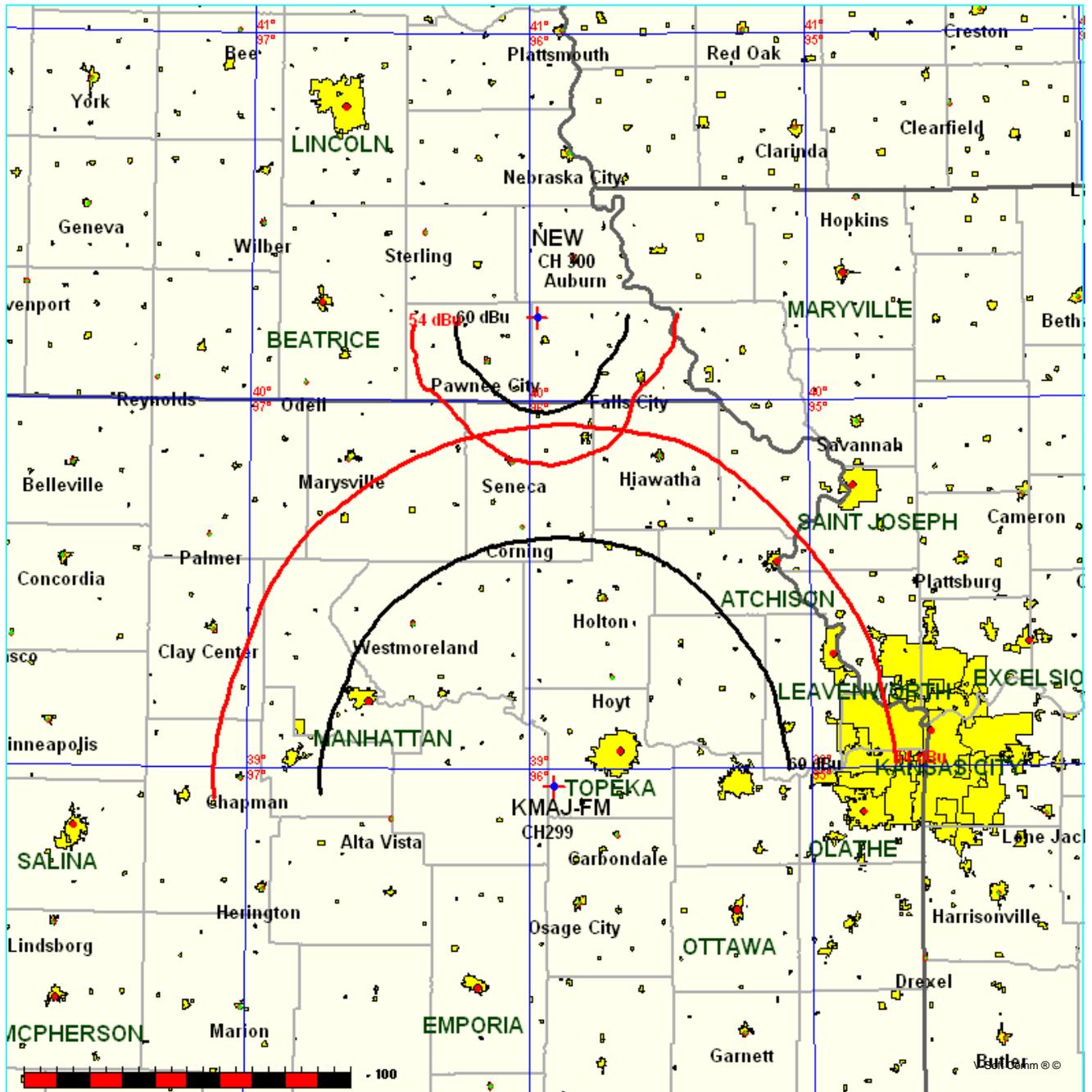


FIGURE 4, PREDICTED 70 DBU COVERAGE CONTOUR
NEW FM, HUMBOLDT, NE, CH. 300C3.

Coverage Study - NGDC 30 SEC
05-12-2011

NEW CH300 C3, 6.1 kW, 81.7M HAAT, 420.0M COR AMSL
Service Contour = 70 dBu. Population = 2,468

