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Exhibit 12  
Kaskaskia Broadcasting, Inc  
Comprehensive Technical Statement and Exhibits

Translator W295BM, Charleston, IL FACID 146836

FCC FORM 349

This Technical Statement is in support of FCC form 349 Application filed by Kaskaskia Broadcasting Inc. ("KBI") for a minor change to FM Translator W295BM serving Charleston, IL. This application is requesting a change of transmitter location of 14.46km, modification of height above average terrain and an increase in effective radiated power to 250 watts on intermediate frequency channel 241-D at a registered tower, ASRN 1005606. KBI has obtained assurance from American Tower Corporation, the owner of the tower structure, for the filing of this application and the construction of the facility thereupon, if granted.

The proposed 60dbu (50,50) contour encompasses 23.4% of the licensed 60dbu (50,50) contour making this qualify as a minor change application under the requirements of 47CFR 74.1233(a).

### PRIMARY STATION

KBI certifies that the proposal is for a fill-in translator entirely within the primary station's protected. See map as Attachment 1 demonstrating compliance. The facility will now be re-classified to be a fill-in translator signal for station WRJM (AM), co-owned by KBI

### LPFM CONSIDERATION

The facility is located in rural Coles County, IL, which is not a part of any Arbitron rated market or within the boundaries or within the buffer distance to any Spectrum Limited or Spectrum Available market. As such, additional LPFM consideration is not provided herein.

### OVERLAP REQUIREMENTS

The Map of Contours as Attachment 2 and Channel Study Data Chart as Attachment 3 depict the proposed allocation situation with respect to all pertinent co and adjacent facilities. All facilities have been depicted utilizing either the maximum ERP or directional pattern data as on file with the commission and 1 degree radial intervals on close in contours in the interest of accuracy. AAT data for the proposed facility was derived from the FCC's 30 second database, ComStudy.

As seen on the Map of Contours, channel 241-D is operable at the proposed location with the proposed antenna and technical parameters with the following conditions:

- The proposed facility operates at an effective radiated power which is over 100 watts, therefore protection to intermediate frequency facilities has been calculated and the proposal meets the separation distance to intermediate frequency facilities as defined in 47CFR 74.1204(g).
- The proposed facility is within the protected 54dBu (50,50) contour of second-adjacent facility WCRC (FM) Effingham, IL Channel 239-B, located 39.1km away. Therefore, an interference analysis has been conducted based on the U/D ratio of +40 dB at the proposed site. The signal of WCRC (FM) at the proposed location is 66.0 dBu (50,50) making the relevant interfering contour of the proposed facility 106.0 dBu (50,10). The free space distance to this contour in a worse-case scenario utilizing a single dipole antenna is 555.9 meters; therefore the applicant proposes the use of the antenna system noted in Attachment 5 composed of a Shively Model 6812B two-bay half-wave spaced array.
- The Aerial Photograph in Attachment #4 is an accurate representation of the location of the tower structure to be utilized. The applicant certifies that the area within 60 meters of the tower structure has no population and is a restricted access point where the general public will not be present at any time.
- The use of the FM antenna described in the vertical radiation pattern chart demonstrates that the interfering 106.0 dBu (50,10) contour will reach a point 2 meters above the ground at that location 60 meters from the tower at a depression angle of 60 degrees or greater. This results in a reduced ERP of 10.8 watts based on a vertical factor of 0.208 and an interference contour of only 115.6 meters vs. the 120.9 meter actual distance from the antenna to the ground at that angle.
- The interference contour has been evaluated at every five degrees of depression angle from 0 through 90 degrees using the vertical elevation pattern to determine the vertical clearance from the contour to a point 2 meters above ground.

Frequency =	96.1	Mhz	ERP=	250	watts
Interfering Contour	106	dBu (50,10)	Height =	105	m AGL

Degrees	Rel. Field	Power	Distance to Contour		Degrees	Rel. Field	Power	Distance to Contour	
5	0.990	245.0	550.3072		50	0.352	31.0	195.6648	
10	0.959	229.9	533.0754		55	0.271	18.4	150.6396	
15	0.910	207.0	505.8379		60	0.208	10.8	115.6201	
20	0.846	178.9	470.2625		65	0.156	6.1	86.7151	
25	0.770	148.2	428.0167		70	0.112	3.1	62.2570	
30	0.685	117.3	380.7681		75	0.077	1.5	42.8017	
35	0.596	88.8	331.2961		80	0.043	0.5	23.9022	
40	0.508	64.5	282.3799		85	0.023	0.1	12.7849	
45	0.422	44.5	234.5754		90	0.000	0.0	0.0000	

Based on this showing, a waiver of Section 74.1204 is requested in accordance with *Living Way Ministries, Inc. (FCC 08-242)* on the basis of zero population in the area of interference.

#### ENVIRONMENTAL PROTECTION ACT

The proposed facility is excluded from environmental processing under 47. C.F.R. section 1.1306 in that the facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments. KBI has determined compliance through the use of the RF worksheets provided with FCC Form 349.

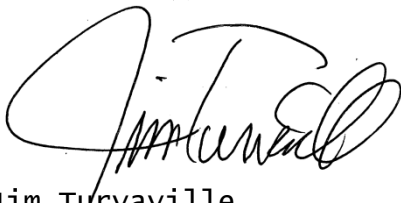
KBI also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

#### Attachments:

- 1- Primary Station Contour vs Proposed Fill-in Translator Contour Map
- 2- Map of Interfering Contours
- 3- Channel Study Data Chart
- 4- Aerial Photo of Tower Location
- 5- Antenna Vertical Radiation Data

In summary, it was determined that the new proposed operation at Charleston, IL on Channel 241-D can meet all of the technical requirements under current FCC rules.

Respectfully,

A handwritten signature in black ink, appearing to read 'Jim Turvaville', with a stylized, cursive script.

Jim Turvaville  
SBE Certified Senior Radio Engineer

### Primary Station Contour vs Proposed Fill-in Translator Contour Map

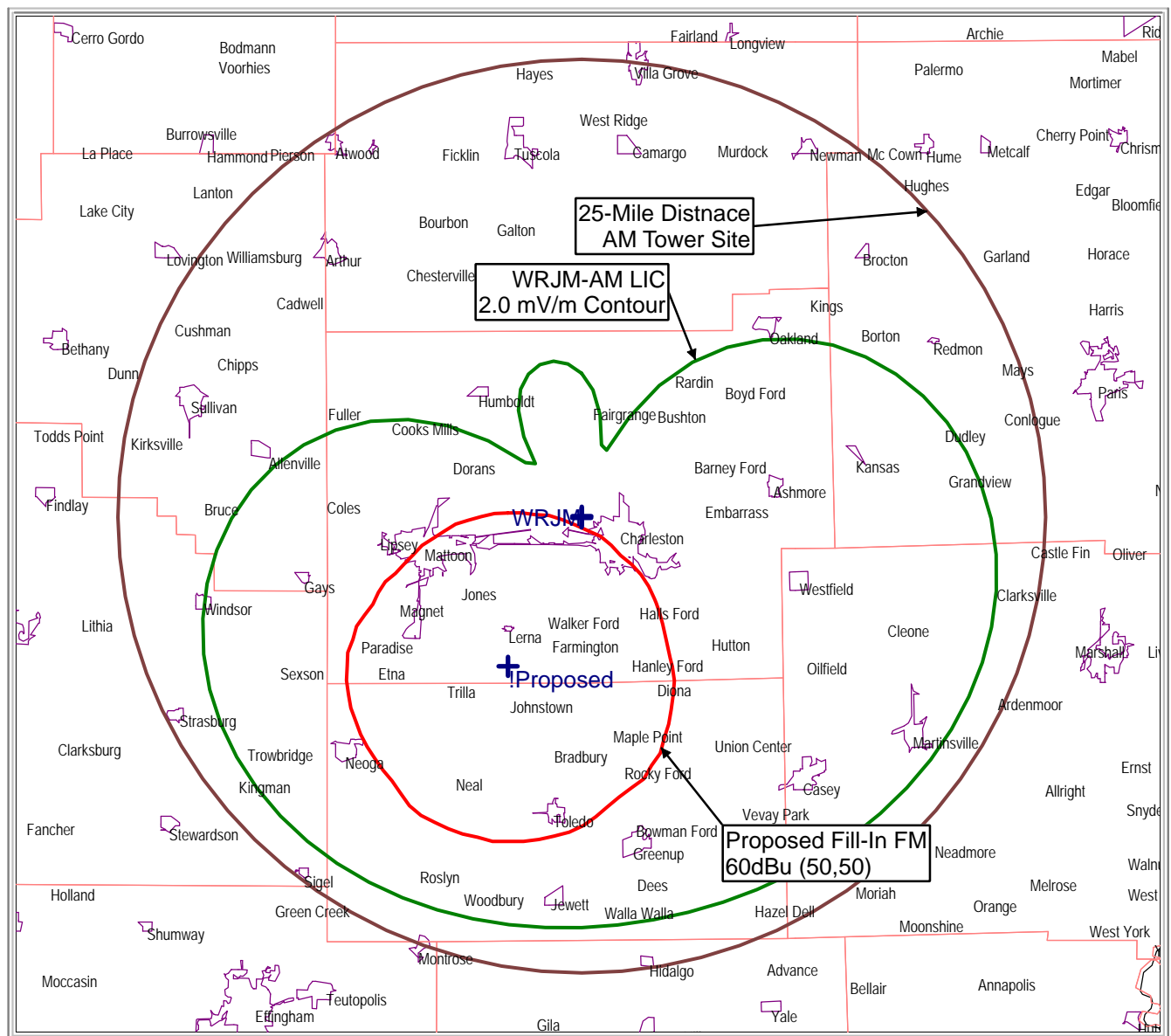
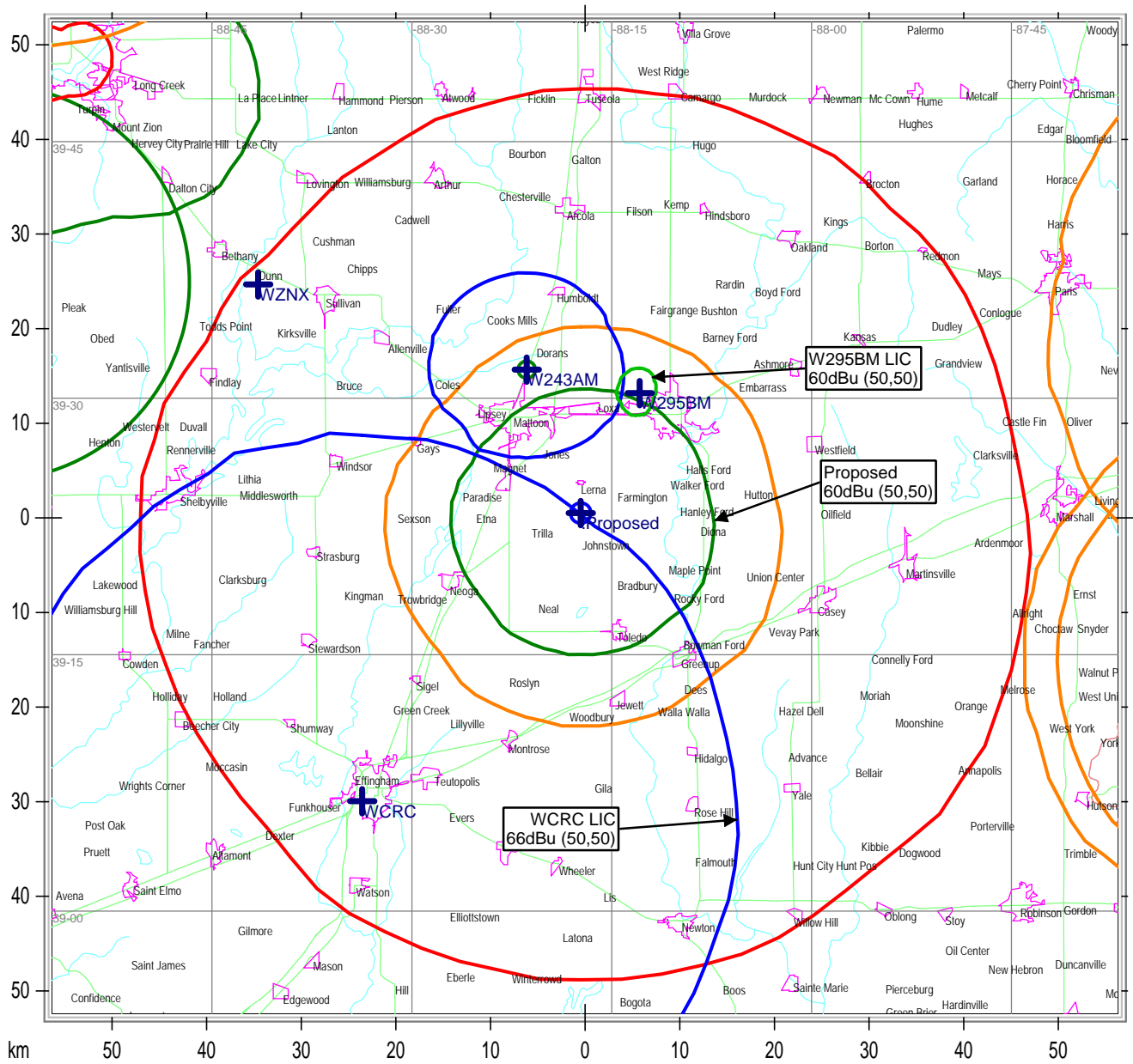


Exhibit #12 Attachment #2  
Kaskaskia Broadcasting, Inc.  
Map of Interfering Contours



 National Borders
  State Borders
  City Borders
  Highways
  Water Features

 Lat/Lon Grid

Map Scale: 1:686120    1 cm = 6.86 km    V|H Size: 104.83 x 112.65 km

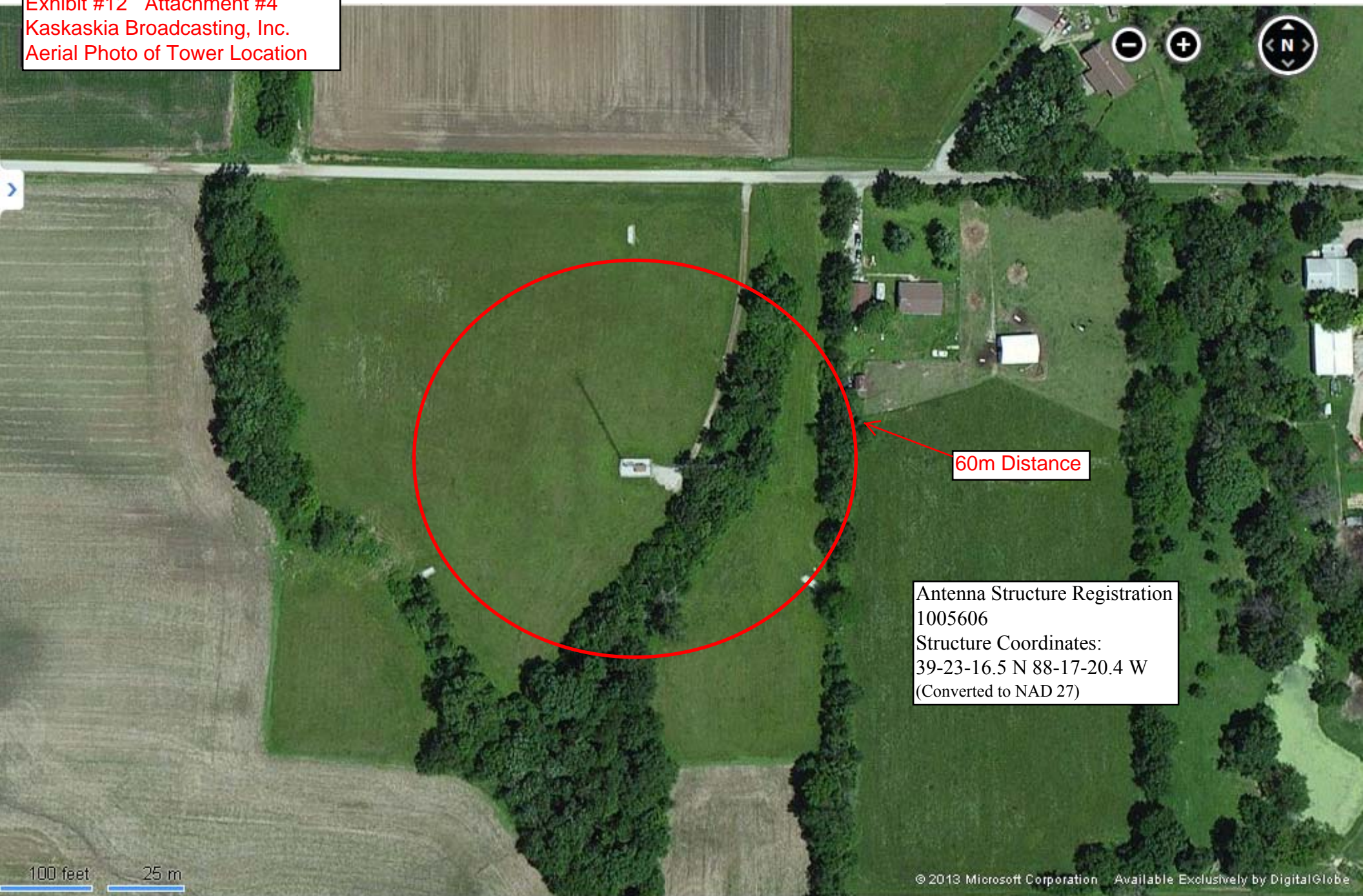
**Exhibit #12 Attachment #3**  
**Kaskaskia Broadcasting, Inc.**  
**Channel Study Data Chart**

ComStudy 2.2  
Search of channel 241  
(96.1 MHz Class D)  
at  
39-23-17.0 N, 88-17-20.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
WCRC	EFFINGHAM	IL	239	B	39.10	0.00	217.1	-12.63 dB
(Adjacent Channel waiver Requested in Narrative)								
W243AM	MATTOON	IL	243	D	16.56	0.00	339.6	3.09 dB
WQQB	RANTOUL	IL	241	A	92.84	0.00	359.5	8.47 dB
NEW	DECATUR	IL	241	D	76.39	0.00	312.0	9.17 dB
W295BM	CHARLESTON	IL	295	D	14.46	0.00	26.0	14.50 km
NEW	FARMERSBURG	IN	242	A	79.07	0.00	101.6	15.55 dB
WXXR	SEELYVILLE	IN	240	A	79.10	0.00	74.5	16.37 dB
WQQB	RANTOUL	IL	241	A	103.60	0.00	6.5	17.94 dB
W295AH	CHATHAM	IL	241	D	124.16	0.00	289.9	18.73 dB
WZNX	SULLIVAN	IL	294	B1	32.83	12.00	325.2	20.80 km
WEZC	CLINTON	IL	240	A	97.55	0.00	323.9	23.36 dB
W242BZ	TAYLORVILLE	IL	242	D	86.17	0.00	275.1	24.19 dB
WAZY-FM	LAFAYETTE	IN	243	B	148.39	0.00	41.3	25.68 dB
WCRC	EFFINGHAM	IL	239	B	39.10	0.00	217.1	26.34 dB
WSTO	OWENSBORO	KY	241	C	196.87	0.00	155.5	26.53 dB
901214MA	SEELYVILLE	IN	240	A	86.91	0.00	81.6	27.85 dB
WZNX	SULLIVAN	IL	294	B1	42.61	12.00	305.7	30.60 km
WEZC	CLINTON	IL	240	A	97.55	0.00	323.9	30.83 dB
WLCN	ATLANTA	IL	242	A	126.53	0.00	319.1	31.53 dB
KIHT	ST. LOUIS	MO	242	C1	198.26	0.00	243.4	32.64 dB
KIHT	ST. LOUIS	MO	242	C1	197.09	0.00	244.7	32.65 dB
KIHT	ST. LOUIS	MO	242	C1	198.24	0.00	243.4	32.10 dB
NEW	BOURBONNAIS	IL	241	D	199.97	0.00	10.0	33.86 dB
WQLK	RICHMOND	IN	241	B	293.20	0.00	77.9	33.92 dB
WQLK	RICHMOND	IN	241	B	293.23	0.00	77.9	33.97 dB
WOLG	CARLINVILLE	IL	240	A	140.56	0.00	263.8	34.44 dB
NEW	COLUMBUS	IN	241	D	203.03	0.00	95.6	36.35 dB
960531MB	ATLANTA	IL	242	A	125.93	0.00	317.8	36.43 dB
WFML	VINCENNES	IN	244	A	107.83	0.00	139.2	37.47 dB
NEW	LOGANSPOUT	IN	241	D	221.61	0.00	45.7	37.03 dB
WFMS	FISHERS	IN	238	B	200.84	0.00	77.1	37.89 dB
WOLG	CARLINVILLE	IL	240	A	137.82	0.00	265.6	38.98 dB
WFMS	INDIANAPOLIS	IN	238	B	195.39	0.00	75.7	38.31 dB
NEW	LOGANSPOUT	IN	241	D	223.83	0.00	45.9	38.04 dB
W240CE	WASHINGTON	IN	240	D	130.05	0.00	131.8	38.02 dB
W243AV	FLORA	IL	243	D	82.18	0.00	193.9	39.92 dB
WSTO	OWENSBORO	KY	241	C	196.87	0.00	155.5	39.80 dB
KIHT	ST. LOUIS	MO	242	C1	197.09	0.00	244.7	39.52 dB
NEW	DECATUR	IL	243	D	80.68	0.00	309.3	39.01 dB



Exhibit #12 Attachment #4  
Kaskaskia Broadcasting, Inc.  
Aerial Photo of Tower Location

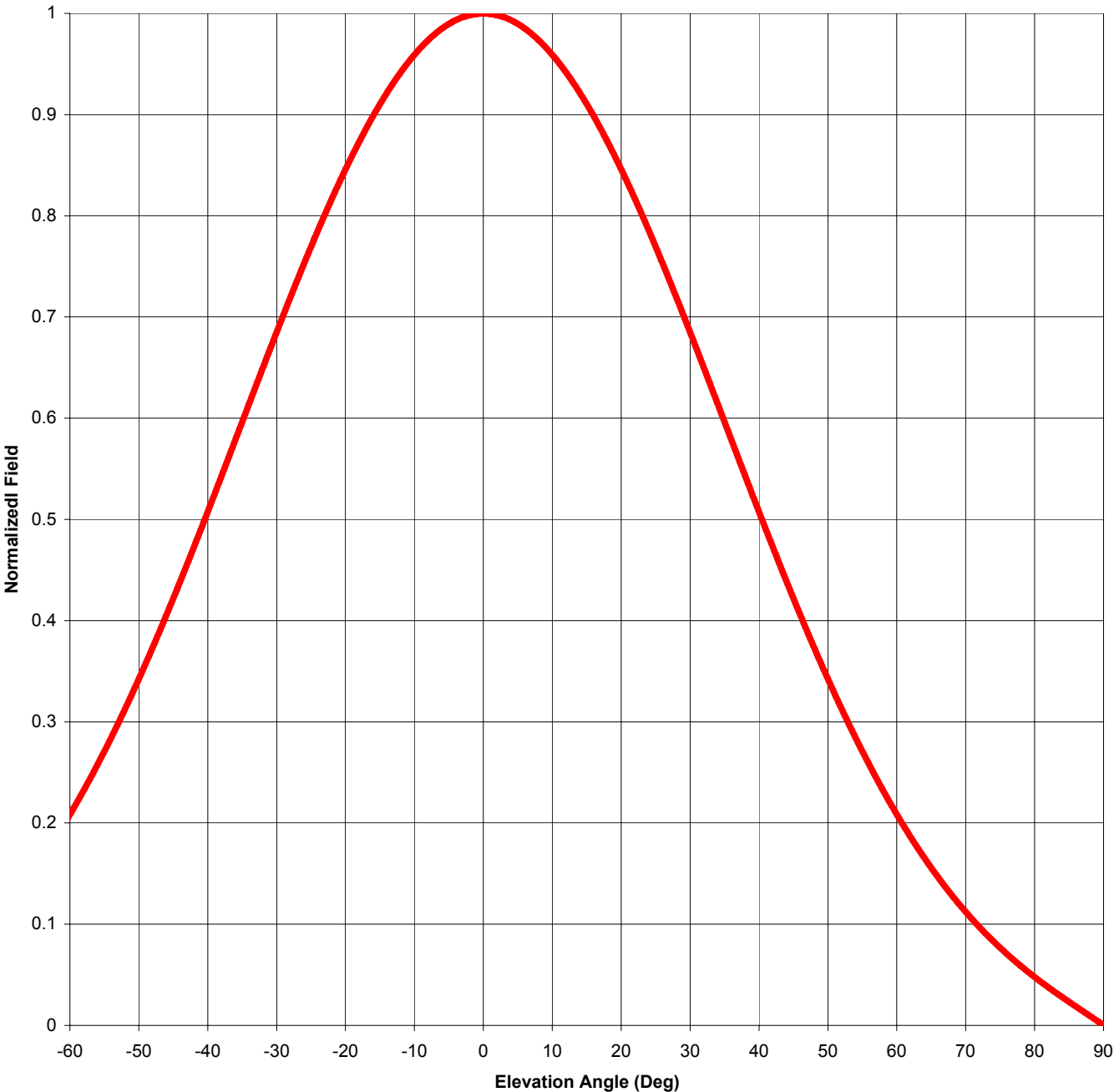


60m Distance

Antenna Structure Registration  
1005606  
Structure Coordinates:  
39-23-16.5 N 88-17-20.4 W  
(Converted to NAD 27)

# Shively Labs®

Antenna Mfr.: Shively Labs  
Antenna Type: 6812B 2-Bay, 1/2-wave spaced  
Frequency: 96.1      6812B Gain (Max)    0.63    -1.97 dB





## Elevation Pattern Tabulation, 6602B and 6812B 2-Bay Half-Wave-Spaced

Relative Field at 0° Depression = 1.000

Degrees	Rel. Field
1	1.000
2	0.998
3	0.996
4	0.993
5	0.990
6	0.985
7	0.980
8	0.974
9	0.967
10	0.959
11	0.951
12	0.942
13	0.932
14	0.921
15	0.910
16	0.899
17	0.886
18	0.873

Degrees	Rel. Field
19	0.860
20	0.846
21	0.832
22	0.817
23	0.801
24	0.786
25	0.770
26	0.753
27	0.736
28	0.720
29	0.702
30	0.685
31	0.667
32	0.650
33	0.632
34	0.614
35	0.596
36	0.578

Degrees	Rel. Field
37	0.561
38	0.543
39	0.525
40	0.508
41	0.490
42	0.473
43	0.456
44	0.439
45	0.422
46	0.405
47	0.389
48	0.373
49	0.358
50	0.342
51	0.327
52	0.313
53	0.298
54	0.284

Degrees	Rel. Field
55	0.271
56	0.258
57	0.245
58	0.232
59	0.220
60	0.208
61	0.197
62	0.186
63	0.176
64	0.165
65	0.156
66	0.146
67	0.137
68	0.128
69	0.120
70	0.112
71	0.104
72	0.097

Degrees	Rel. Field
73	0.090
74	0.083
75	0.077
76	0.070
77	0.064
78	0.059
79	0.053
80	0.048
81	0.043
82	0.038
83	0.033
84	0.028
85	0.023
86	0.019
87	0.014
88	0.009
89	0.005
90	0.000