

Comprehensive Technical Exhibit
Request for Special Temporary Authority
For Early Flash-Cut to DTV Operations
KHQA-DT – Hannibal, Missouri
Barrington Quincy License LLC
February, 2009

Request for Special Temporary Authority

The following engineering statement and attached exhibits have been prepared for **Barrington Quincy License LLC** (“Barrington”), licensee of KHQA-TV at Hannibal, Missouri and are in support of their request for Special Temporary Authority to flash-cut to digital operations on channel 7 on February 17, 2009.¹

On March 18, 2008 the applicant was granted construction permit BPCDT-20080317AGY. This construction permit authorized KHQA-DT to continue DTV operations in the post-transition environment utilizing the antenna currently in use on channel 7 for NTSC operations. Under the special temporary authority requested in this application, Barrington would commence DTV operations on channel 7 on February 17, 2009 rather than on the postponed transition date. The facilities that would be utilized for the early transition would be identical to those authorized under BPCDT-20080317AGY.

Exhibit E-1 depicts the predicted interference from the flash-cut facility to all other facilities in the region, including analog and pre-transition DTV facilities. A tabulation of the areas of interference and populations affected is contained in Exhibit E-2. As these two exhibits demonstrate, the flash-cut facility is expected to cause interference to the pre-transition analog facilities of KWWL at Waterloo, Iowa.² The level of interference is, however, less than that facility currently receives from KHQA-TV as an analog facility as depicted in Exhibits E-3 and E-4. The flash-cut KHQA-DT facility therefore represents a reduction in the level of interference caused to other facilities in the region.

¹ The Facility ID for KHQA-TV at Hannibal, Missouri is 4690.

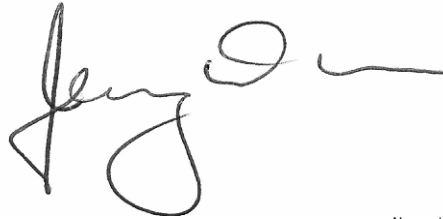
² The Facility ID for KWWL(TV) at Waterloo, Iowa is 593.

The early transition of KHQA-DT from channel 29 to channel 7 would not result in a reduction in the DTV coverage associated with the facility. Exhibit E-5 depicts the noise limited service contours from the current pre-transition facilities on channel 29 in red and from the post-transition channel 7 facilities in blue. As this map demonstrates, the post-transition facility contour would encompass a larger area and serve a greater population than the current pre-transition facility. Data from the 2000 US Census indicates that 207,202 persons reside within the pre-transition noise limited contour, while 327,354 persons reside within the post-transition contour. The population within the post-transition contour is 58.0 percent greater than the population within the pre-transition contour.

It is therefore respectfully submitted that permitting KHQA-TV to flash-cut to DTV operations ahead of the postponed transition date would not result in impermissible interference to other facilities in the region, but rather a reduction in the overall interference. In addition, the flash-cut of the facility would not result in a loss of DTV service. The proposed flash-cut facilities would not constitute a significant environmental impact as they would utilize the existing KHQA antenna and tower. Furthermore, since a construction permit is already in effect for the flash-cut facilities, the Staff has already concurred that no significant environmental impact would result.

Affidavit

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2009

Jeremy D. Ruck, PE
February 9, 2009

KHQA-TV-D.C

BPCDT20080317AGY

Latitude: 39-58-22 N

Longitude: 091-19-54 W

ERP: 13.60 kW

Channel: 07

Frequency: 177.0 MHz

AMSL Height: 461.4 m

Elevation: 226.4 m

Horiz. Pattern: Omni

Vert. Pattern: Yes

Elec Tilt: 0.0

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 301.0

Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 10.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

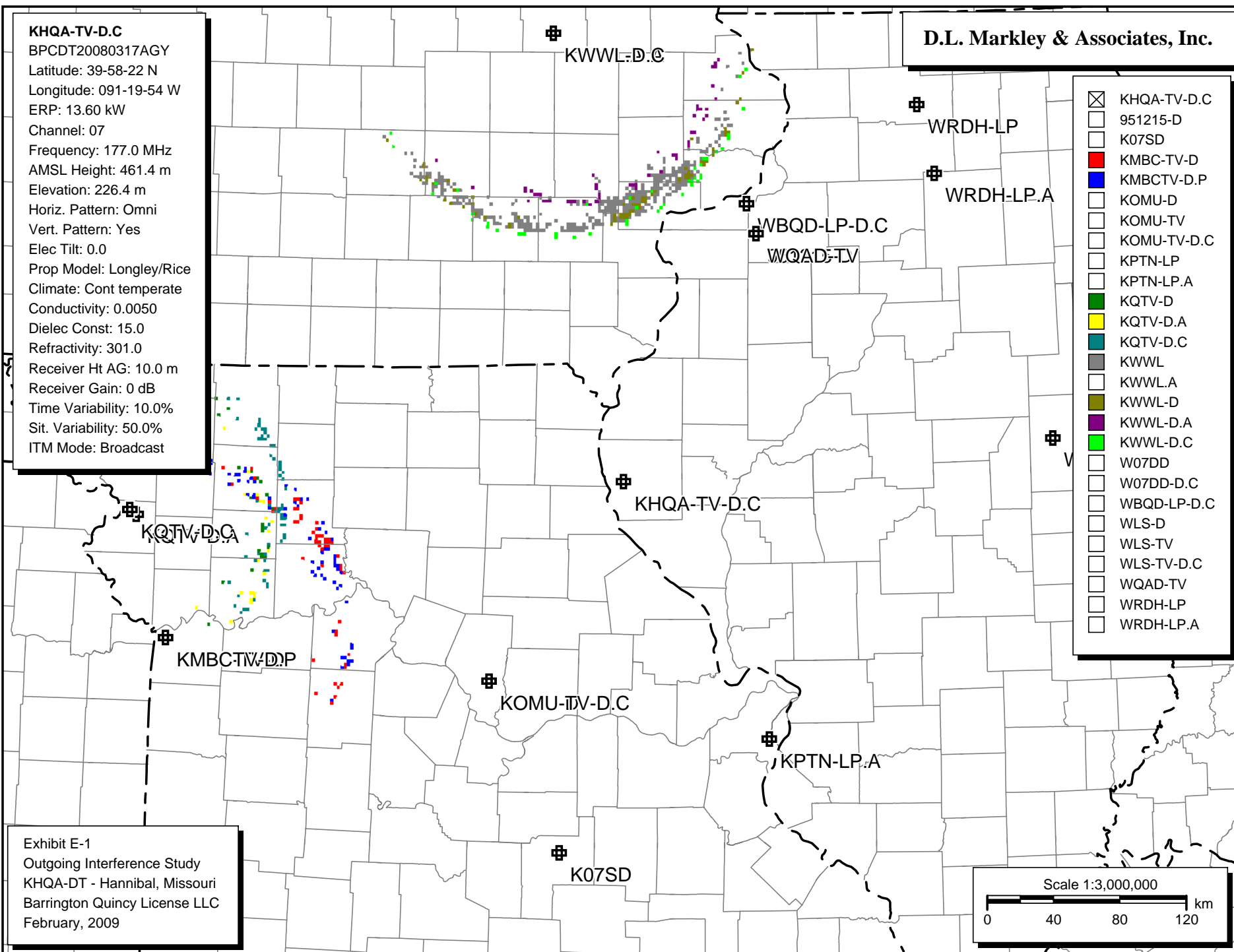
D.L. Markley & Associates, Inc.

Exhibit E-1

Outgoing Interference Study

KHQA-DT - Hannibal, Missouri

Barrington Quincy License LLC

February, 2009

Exhibit E-2
Outgoing Interference Population Report
Based on KHQA-DT Flash-Cut.

KHQA-TV-D.C (07) Hannibal, MO - BPCDT20080317AGY
Broadcast Type: Digital Service: T
Lat: 39-58-22 N Lng: 091-19-54 W ERP: 13.6 kW AMSL: 461.4 m
TV Outgoing Interference Study
Signal Resolution: 2.0 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Default # of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Masked interference points are being
counted as interference.
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 2/6/2009
TV Database Date: 2/6/2009

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Stations Considered:

Call Letters	City	State	Dist	Bear
951215-D (8)	GALESBURG	IL	169.2	28.1
K07SD (07Z)	Rolla	MO	226.7	189.8
KMBC-TV-D (07)	Kansas City	MO	291.0	251.2
KMBCTV-D.P (07)	Kansas City	MO	291.0	251.2
KOMU-D (8)	COLUMBIA	MO	144.7	214.0
KOMU-TV (08+)	Columbia	MO	144.7	214.0
KOMU-TV-D.C (08)	Columbia	MO	144.7	214.0
KPTN-LP (07+)	St. Louis	MO	178.0	150.5
KPTN-LP.A (07+)	St. Louis	MO	178.0	150.5
KQTV-D (7)	ST. JOSEPH	MO	297.4	266.8
KQTV-D.A (07)	St. Joseph	MO	293.7	266.2
KQTV-D.C (07)	St. Joseph	MO	297.4	266.8
KWWL (07+)	Waterloo	IA	273.0	351.1
KWWL.A (07+)	Waterloo	IA	273.0	351.1
KWWL-D (7)	WATERLOO	IA	273.1	351.1
KWWL-D.A (07)	Waterloo	IA	273.0	351.1
KWWL-D.C (07)	Waterloo	IA	273.0	351.1
W07DD (07+)	Champaign	IL	259.6	84.2
W07DD-D.C (07)	Champaign	IL	259.5	84.2

WBQD-LP-D.C (07)	Davenport	IA	182.8	23.9
WLS-D (7)	CHICAGO	IL	376.3	54.6
WLS-TV (07Z)	Chicago	IL	376.4	54.6
WLS-TV-D.C (07)	Chicago	IL	376.4	54.6
WQAD-TV (08Z)	Moline	IL	169.1	28.1
WRDH-LP (07-)	Ashton	IL	287.3	37.9
WRDH-LP.A (07-)	Holcomb	IL	263.3	45.2

Call	Area	HUnits	Contour	Masked	Ix	Unmasked	Ix	%
951215-D (8)	0.0	0	813,573		0		0	0.0
K07SD (07Z)	0.0	0	35,632		0		0	0.0
KMBC-TV-D (07)	324.1	576	2,341,453		0	1,174		0.1
KMBCTV-D.P (07)	388.1	584	2,350,296		0	1,288		0.1
KOMU-D (8)	0.0	0	506,658		0		0	0.0
KOMU-TV (08+)	0.0	0	506,365		0		0	0.0
KOMU-TV-D.C (08)	0.0	0	509,134		0		0	0.0
KPTN-LP (07+)	0.0	0	1,386,422		0		0	0.0
KPTN-LP.A (07+)	0.0	0	1,355,358		0		0	0.0
KQTV-D (7)	97.7	148	1,033,210		0		343	0.0
KQTV-D.A (07)	113.1	362	1,026,647		0		840	0.1
KQTV-D.C (07)	244.1	630	1,467,485		0		1,498	0.1
KWWL (07+)	1380.2	9,157	1,009,636		0	22,527		2.2
KWWL.A (07+)	0.0	0	164,107		0		0	0.0
KWWL-D (7)	303.7	1,040	1,009,873		0		2,150	0.2
KWWL-D.A (07)	215.5	3,722	899,516		0		9,168	1.0
KWWL-D.C (07)	296.5	2,966	1,033,895		0		6,745	0.7
W07DD (07+)	0.0	0	140,570		0		0	0.0
W07DD-D.C (07)	0.0	0	165,937		0		0	0.0
WBQD-LP-D.C (07)	0.0	0	317,890		0		0	0.0
WLS-D (7)	0.0	0	9,450,296		0		0	0.0
WLS-TV (07Z)	0.0	0	9,391,455		0		0	0.0
WLS-TV-D.C (07)	0.0	0	9,519,611		0		0	0.0
WQAD-TV (08Z)	0.0	0	989,967		0		0	0.0
WRDH-LP (07-)	0.0	0	5,736		0		0	0.0
WRDH-LP.A (07-)	0.0	0	11,397		0		0	0.0

	Housing Units	Population
Illinois		
Jo Daviess County		
Total	12,003	22,289
KWWL-D (7)	29	39
Iowa		
Cedar County		
Total	7,570	18,187
KWWL (07+)	1,049	2,601
KWWL-D (7)	6	19
KWWL-D.A (07)	208	502
Clinton County		
Total	21,585	50,149

KWWL (07+)	373	933
KWWL-D (7)	365	848
KWWL-D.A (07)	278	644
KWWL-D.C (07)	78	184
Iowa County		
Total	6,545	15,671
KWWL (07+)	17	47
KWWL-D.A (07)	19	54
Jackson County		
Total	8,949	20,296
KWWL (07+)	28	73
KWWL-D (7)	7	16
KWWL-D.A (07)	58	132
KWWL-D.C (07)	38	120
Jasper County		
Total	15,659	37,213
KWWL (07+)	188	453
KWWL-D (7)	25	69
KWWL-D.C (07)	15	38
Johnson County		
Total	45,831	111,006
KWWL (07+)	1,388	3,075
KWWL-D (7)	21	53
KWWL-D.A (07)	743	1,490
KWWL-D.C (07)	9	22
Keokuk County		
Total	5,013	11,400
KWWL (07+)	767	1,798
KWWL-D (7)	33	66
KWWL-D.C (07)	40	87
Louisia County		
Total	5,133	12,183
KWWL (07+)	25	61
KWWL-D (7)	9	25
KWWL-D.C (07)	5	18
Mahaska County		
Total	9,551	22,335
KWWL (07+)	143	299
KWWL-D (7)	29	76
KWWL-D.C (07)	21	57
Muscatine County		
Total	16,786	41,722
KWWL (07+)	3,106	8,208
KWWL-D (7)	237	435
KWWL-D.A (07)	1,248	3,475
KWWL-D.C (07)	567	1,382
Poweshiek County		
Total	8,556	18,815
KWWL (07+)	219	433
KWWL-D (7)	182	246
KWWL-D.A (07)	12	31
KWWL-D.C (07)	109	221

Scott County		
Total	65,649	158,668
KWWL (07+)	141	377
KWWL-D (7)	97	258
KWWL-D.C (07)	82	213
Washington County		
Total	8,543	20,670
KWWL (07+)	1,713	4,169
KWWL-D.A (07)	1,156	2,840
KWWL-D.C (07)	2,002	4,403
Missouri		
Caldwell County		
Total	4,493	8,969
KMBC-TV-D (07)	8	21
KMBCTV-D.P (07)	8	21
KQTV-D (7)	22	57
KQTV-D.A (07)	21	47
KQTV-D.C (07)	48	91
Carroll County		
Total	4,897	10,285
KMBC-TV-D (07)	98	202
KMBCTV-D.P (07)	91	205
Clay County		
Total	76,230	184,006
KQTV-D.A (07)	12	26
Davie County		
Total	3,853	8,016
KMBC-TV-D (07)	189	297
KMBCTV-D.P (07)	145	270
KQTV-D (7)	79	155
KQTV-D.A (07)	66	126
KQTV-D.C (07)	17	33
DeKalb County		
Total	3,839	11,597
KMBC-TV-D (07)	3	16
KMBCTV-D.P (07)	3	16
Gentry County		
Total	3,214	6,861
KMBC-TV-D (07)	14	22
KMBCTV-D.P (07)	14	22
Grundy County		
Total	5,102	10,432
KQTV-D.C (07)	31	130
Harrison County		
Total	4,316	8,850
KQTV-D (7)	11	25
KQTV-D.A (07)	5	10
KQTV-D.C (07)	75	163
Lafayette County		
Total	13,707	32,960
KMBC-TV-D (07)	2	10
KMBCTV-D.P (07)	2	10

Livingston County		
Total	6,467	14,558
KMBC-TV-D (07)	172	396
KMBCTV-D.P (07)	205	482
KQTV-D.C (07)	183	406
Pettis County		
Total	16,963	39,403
KMBC-TV-D (07)	53	131
KMBCTV-D.P (07)	23	65
Ray County		
Total	9,371	23,354
KQTV-D (7)	36	106
KQTV-D.A (07)	258	631
KQTV-D.C (07)	276	675
Saline County		
Total	10,019	23,756
KMBC-TV-D (07)	37	79
KMBCTV-D.P (07)	93	197
Worth County		
Total	1,245	2,382
KQTV-D (7)	0	0

KHQA-TV

BLCT2379

Latitude: 39-58-22 N

Longitude: 091-19-54 W

ERP: 316.00 kW

Channel: 07-

Frequency: 177.0 MHz

AMSL Height: 461.0 m

Elevation: 226.0 m

Horiz. Pattern: Omni

Vert. Pattern: Yes

Elec Tilt: 0.0

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 301.0

Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 10.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

D.L. Markley & Associates, Inc.

- ☒ KHQA-TV
- ☐ WBQD-LP-D.C
- ☐ KWWL-D.C
- ☐ KWWL-D.A
- ☐ KWWL
- ☐ KWWL.A
- ☐ WRDH-LP.A
- ☐ WRDH-LP
- ☐ WLS-TV
- ☐ W07DD-D.C
- ☐ WLS-TV-D.C
- ☐ W07DD
- ☐ WQAD-TV
- ☐ KMBCTV-D.P
- ☐ KMBC-TV-D
- ☐ K07SD
- ☐ KQTV-D.A
- ☐ KQTV-D.C
- ☐ KPTN-LP.A
- ☐ KPTN-LP
- ☐ KOMU-TV-D.C
- ☐ KOMU-TV
- ☐ KWWL-D
- ☐ WLS-D
- ☐ 951215-D
- ☐ KQTV-D
- ☐ KOMU-D

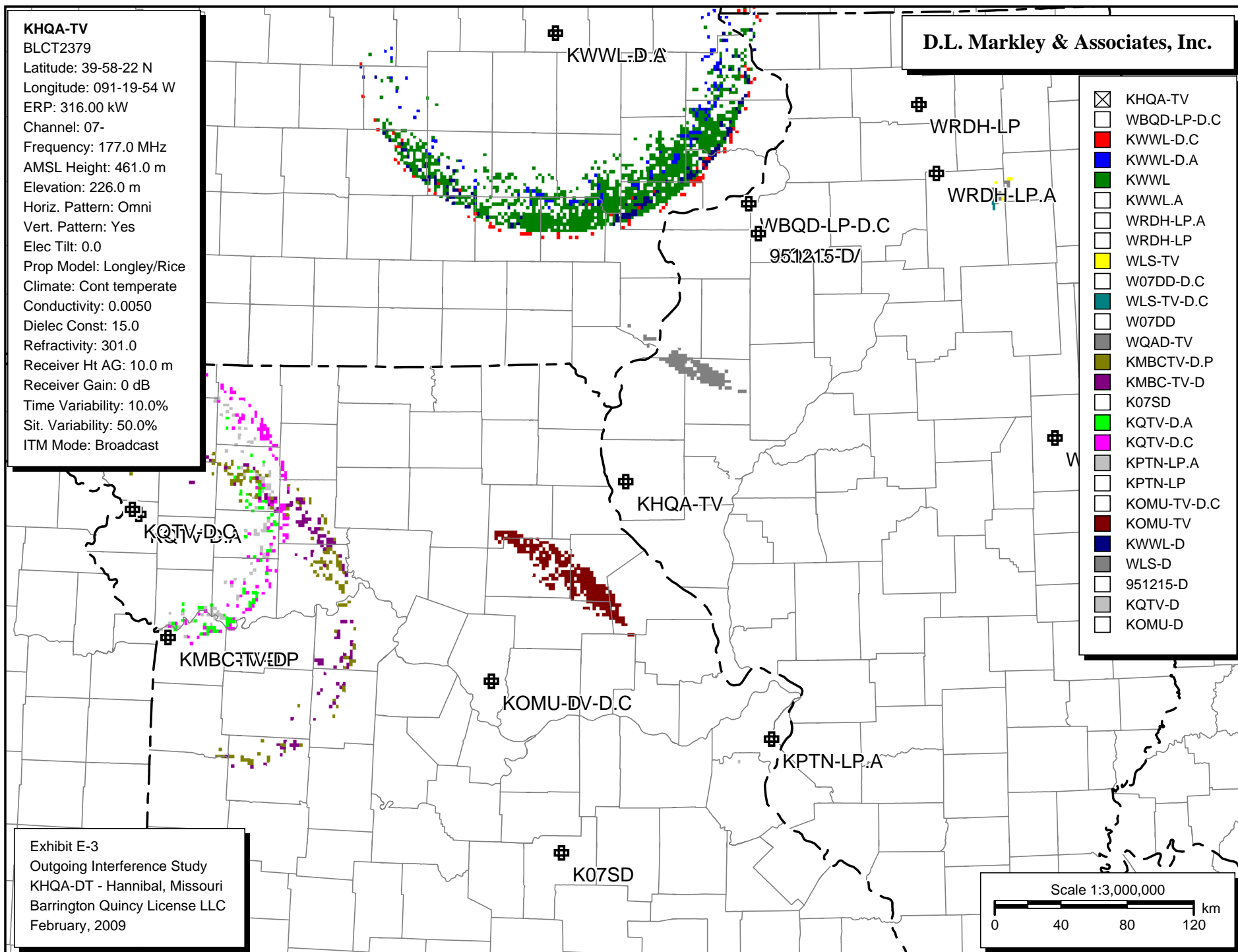


Exhibit E-3

Outgoing Interference Study

KHQA-DT - Hannibal, Missouri

Barrington Quincy License LLC

February, 2009

Exhibit E-4
Outgoing Interference Population Report
Based on KHQA-TV as NTSC Facility

KHQA-TV (07-) Hannibal, MO - BLCT2379
Broadcast Type: NTSC Service: V
Lat: 39-58-22 N Lng: 091-19-54 W ERP: 316.0 kW AMSL: 461.0 m
TV Outgoing Interference Study
Signal Resolution: 2.0 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Default # of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Masked interference points are being
counted as interference.
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 2/6/2009
TV Database Date: 2/6/2009

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Stations Considered:

Call Letters	City	State	Dist	Bear
WBQD-LP-D.C (07)	Davenport	IA	182.8	23.9
KWWL-D.C (07)	Waterloo	IA	273.0	351.1
KWWL-D.A (07)	Waterloo	IA	273.0	351.1
KWWL (07+)	Waterloo	IA	273.0	351.1
KWWL.A (07+)	Waterloo	IA	273.0	351.1
WRDH-LP.A (07-)	Holcomb	IL	263.3	45.2
WRDH-LP (07-)	Ashton	IL	287.3	37.9
WLS-TV (07Z)	Chicago	IL	376.4	54.6
W07DD-D.C (07)	Champaign	IL	259.5	84.2
WLS-TV-D.C (07)	Chicago	IL	376.4	54.6
W07DD (07+)	Champaign	IL	259.6	84.2
WQAD-TV (08Z)	Moline	IL	169.1	28.1
KMBCTV-D.P (07)	Kansas City	MO	291.0	251.2
KMBC-TV-D (07)	Kansas City	MO	291.0	251.2
K07SD (07Z)	Rolla	MO	226.7	189.8
KQTV-D.A (07)	St. Joseph	MO	293.7	266.2
KQTV-D.C (07)	St. Joseph	MO	297.4	266.8
KPTN-LP.A (07+)	St. Louis	MO	178.0	150.5
KPTN-LP (07+)	St. Louis	MO	178.0	150.5

KOMU-TV-D.C (08)	Columbia	MO	144.7	214.0
KOMU-TV (08+)	Columbia	MO	144.7	214.0
KWWL-D (7)	WATERLOO	IA	273.1	351.1
WLS-D (7)	CHICAGO	IL	376.3	54.6
951215-D (8)	GALESBURG	IL	169.2	28.1
KQTV-D (7)	ST. JOSEPH	MO	297.4	266.8
KOMU-D (8)	COLUMBIA	MO	144.7	214.0

Call	Area	HUnits	Contour	Masked	Ix	Unmasked	Ix	%
WBQD-LP-D.C (07)	0.0	0	317,890		0		0	0.0
KWWL-D.C (07)	683.2	4,261	1,033,895		0	9,492		0.9
KWWL-D.A (07)	539.4	9,668	899,516		0	23,702		2.6
KWWL (07+)	4104.2	28,714	1,009,636		0	71,267		7.1
KWWL.A (07+)	0.0	0	164,107		0	0		0.0
WRDH-LP.A (07-)	0.0	0	11,397		0	0		0.0
WRDH-LP (07-)	0.0	0	5,736		0	0		0.0
WLS-TV (07Z)	18.3	49	9,391,455		0	134		0.0
W07DD-D.C (07)	0.0	0	165,937		0	0		0.0
WLS-TV-D.C (07)	47.6	512	9,519,611		0	2,989		0.0
W07DD (07+)	0.0	0	140,570		0	0		0.0
WQAD-TV (08Z)	423.4	1,938	989,967		0	4,581		0.5
KMBCTV-D.P (07)	849.1	1,289	2,350,296		0	2,914		0.1
KMBC-TV-D (07)	833.4	1,589	2,341,453		0	3,412		0.1
K07SD (07Z)	0.0	0	35,632		0	0		0.0
KQTV-D.A (07)	474.3	5,042	1,026,647		0	12,777		1.2
KQTV-D.C (07)	623.4	3,855	1,467,485		0	9,485		0.6
KPTN-LP.A (07+)	3.8	877	1,355,358		0	2,257		0.2
KPTN-LP (07+)	0.0	0	1,386,422		0	0		0.0
KOMU-TV-D.C (08)	0.0	0	509,134		0	0		0.0
KOMU-TV (08+)	1015.3	3,207	506,365		0	7,284		1.4
KWWL-D (7)	675.9	3,394	1,009,873		0	6,914		0.7
WLS-D (7)	36.6	783	9,450,296		0	2,177		0.0
951215-D (8)	0.0	0	813,573		0	0		0.0
KQTV-D (7)	477.2	9,937	1,033,210		0	23,322		2.3
KOMU-D (8)	0.0	0	506,658		0	0		0.0

	Housing Units	Population
Illinois		
Hancock County		
Total	8,909	20,121
WQAD-TV (08Z)	673	1,576
Henderson County		
Total	4,126	8,213
WQAD-TV (08Z)	80	186
Jo Daviess County		
Total	12,003	22,289
KWWL-D.C (07)	79	165
KWWL-D.A (07)	753	1,697
KWWL (07+)	735	1,610

KWWL-D (7)	1,205	2,155
Kendall County		
Total	19,519	54,544
WLS-TV (07Z)	21	56
WLS-TV-D.C (07)	113	326
WLS-D (7)	253	676
La Salle County		
Total	46,438	111,509
WLS-TV (07Z)	28	78
WLS-TV-D.C (07)	399	2,663
WLS-D (7)	530	1,501
McDonough County		
Total	13,289	32,913
WQAD-TV (08Z)	1,008	2,424
Iowa		
Cedar County		
Total	7,570	18,187
KWWL-D.C (07)	6	19
KWWL-D.A (07)	457	1,132
KWWL (07+)	3,064	7,562
KWWL-D (7)	59	172
Clinton County		
Total	21,585	50,149
KWWL-D.C (07)	501	1,216
KWWL-D.A (07)	357	813
KWWL (07+)	1,372	3,416
KWWL-D (7)	518	1,275
Des Moines County		
Total	18,643	42,351
WQAD-TV (08Z)	172	385
Dubuque County		
Total	35,505	89,143
KWWL-D.A (07)	4,022	9,944
KWWL (07+)	232	633
KWWL-D (7)	11	19
Hardin County		
Total	8,318	18,812
KWWL-D.C (07)	7	18
KWWL-D.A (07)	43	85
KWWL (07+)	1	2
KWWL-D (7)	0	0
Iowa County		
Total	6,545	15,671
KWWL-D.A (07)	28	84
KWWL (07+)	308	797
Jackson County		
Total	8,949	20,296
KWWL-D.C (07)	131	354
KWWL-D.A (07)	207	507
KWWL (07+)	2,778	6,317
KWWL-D (7)	90	245
Jasper County		

Total	15,659	37,213
KWWL-D.C (07)	109	288
KWWL-D.A (07)	9	28
KWWL (07+)	529	1,260
KWWL-D (7)	338	753
Johnson County		
Total	45,831	111,006
KWWL-D.C (07)	11	26
KWWL-D.A (07)	1,165	2,540
KWWL (07+)	11,095	27,931
KWWL-D (7)	28	69
Jones County		
Total	8,126	20,221
KWWL (07+)	5	10
Keokuk County		
Total	5,013	11,400
KWWL-D.C (07)	60	138
KWWL-D.A (07)	10	20
KWWL (07+)	975	2,338
KWWL-D (7)	53	108
Lee County		
Total	16,612	38,052
WQAD-TV (08Z)	5	10
Louisa County		
Total	5,133	12,183
KWWL-D.C (07)	17	41
KWWL (07+)	36	86
KWWL-D (7)	17	44
Mahaska County		
Total	9,551	22,335
KWWL-D.C (07)	48	115
KWWL (07+)	143	299
KWWL-D (7)	35	91
Marshall County		
Total	16,324	39,311
KWWL-D.C (07)	7	17
KWWL-D.A (07)	121	288
KWWL (07+)	57	135
KWWL-D (7)	6	19
Muscatine County		
Total	16,786	41,722
KWWL-D.C (07)	613	1,480
KWWL-D.A (07)	1,250	3,482
KWWL (07+)	3,394	9,006
KWWL-D (7)	319	637
Poweshiek County		
Total	8,556	18,815
KWWL-D.C (07)	421	569
KWWL-D.A (07)	72	181
KWWL (07+)	684	1,582
KWWL-D (7)	429	584
Ringgold County		

Total	2,789	5,469
KQTV-D.C (07)	2	5
Scott County		
Total	65,649	158,668
KWWL-D.C (07)	180	465
KWWL (07+)	239	645
KWWL-D (7)	210	510
Story County		
Total	30,630	79,981
KWWL-D.C (07)	1	2
KWWL-D (7)	10	27
Tama County		
Total	7,583	18,103
KWWL (07+)	15	46
Washington County		
Total	8,543	20,670
KWWL-D.C (07)	2,015	4,440
KWWL-D.A (07)	1,174	2,901
KWWL (07+)	3,048	7,582
KWWL-D (7)	27	90
Missouri		
Andrew County		
Total	6,662	16,492
KMBCTV-D.P (07)	82	214
KMBC-TV-D (07)	158	394
Audrain County		
Total	10,881	25,853
KOMU-TV (08+)	1,508	4,319
Bates County		
Total	7,247	16,653
KMBCTV-D.P (07)	0	0
KMBC-TV-D (07)	0	0
Caldwell County		
Total	4,493	8,969
KMBCTV-D.P (07)	8	21
KMBC-TV-D (07)	8	21
KQTV-D.A (07)	79	180
KQTV-D.C (07)	68	139
KQTV-D (7)	50	122
Carroll County		
Total	4,897	10,285
KMBCTV-D.P (07)	159	342
KMBC-TV-D (07)	186	395
Cass County		
Total	31,677	82,092
KMBCTV-D.P (07)	3	5
Clay County		
Total	76,230	184,006
KQTV-D.A (07)	2,432	6,409
KQTV-D.C (07)	102	229
KQTV-D (7)	3,938	9,388
Daviess County		

Total	3,853	8,016
KMBCTV-D.P (07)	336	599
KMBC-TV-D (07)	459	774
KQTV-D.A (07)	201	401
KQTV-D.C (07)	101	210
KQTV-D (7)	178	393
DeKalb County		
Total	3,839	11,597
KMBCTV-D.P (07)	6	24
KMBC-TV-D (07)	6	24
Gentry County		
Total	3,214	6,861
KMBCTV-D.P (07)	44	87
KMBC-TV-D (07)	44	87
KQTV-D.A (07)	11	22
KQTV-D.C (07)	5	13
KQTV-D (7)	14	26
Grundy County		
Total	5,102	10,432
KQTV-D.C (07)	35	149
Harrison County		
Total	4,316	8,850
KQTV-D.A (07)	9	20
KQTV-D.C (07)	199	422
KQTV-D (7)	75	177
Henry County		
Total	10,261	21,997
KMBCTV-D.P (07)	76	186
KMBC-TV-D (07)	76	171
Jackson County		
Total	288,231	654,880
KQTV-D.A (07)	1,206	3,103
KQTV-D.C (07)	2,612	6,522
KQTV-D (7)	5,413	12,569
Jefferson County		
Total	75,586	198,099
KPTN-LP.A (07+)	877	2,257
Johnson County		
Total	18,886	48,258
KMBCTV-D.P (07)	0	0
KMBC-TV-D (07)	23	50
Lafayette County		
Total	13,707	32,960
KMBCTV-D.P (07)	2	10
KMBC-TV-D (07)	2	10
Livingston County		
Total	6,467	14,558
KMBCTV-D.P (07)	258	621
KMBC-TV-D (07)	440	1,023
KQTV-D.C (07)	193	437
Monroe County		
Total	4,565	9,311

KOMU-TV (08+)	603	977
Montgomery County		
Total	5,726	12,136
KOMU-TV (08+)	0	0
Nodaway County		
Total	8,909	21,912
KQTV-D.A (07)	8	14
KQTV-D (7)	8	14
Pettis County		
Total	16,963	39,403
KMBCTV-D.P (07)	198	537
KMBC-TV-D (07)	63	159
Pike County		
Total	7,493	18,351
KOMU-TV (08+)	114	272
Platte County		
Total	30,902	73,781
KQTV-D (7)	0	0
Ralls County		
Total	4,564	9,626
KOMU-TV (08+)	888	1,495
Ray County		
Total	9,371	23,354
KQTV-D.A (07)	1,082	2,588
KQTV-D.C (07)	497	1,269
KQTV-D (7)	239	587
Saline County		
Total	10,019	23,756
KMBCTV-D.P (07)	117	268
KMBC-TV-D (07)	124	304
Shelby County		
Total	3,245	6,799
KOMU-TV (08+)	94	221
Worth County		
Total	1,245	2,382
KQTV-D.A (07)	14	40
KQTV-D.C (07)	41	90
KQTV-D (7)	22	46
Wisconsin		
Grant County		
Total	19,940	49,597
KWWL-D.C (07)	34	88
KWWL (07+)	4	10
KWWL-D (7)	25	71
Lafayette County		
Total	6,674	16,137
KWWL-D.C (07)	21	51
KWWL-D (7)	14	45

KHQA-TV-D.C

BPCDT20080317AGY
Latitude: 39-58-22 N
Longitude: 091-19-54 W
ERP: 13.60 kW
Channel: 07
Frequency: 177.0 MHz
AMSL Height: 461.4 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 1.0
Prop Model: FCC Method

KHQA-TV-D

BLCDT20060703ACH
Latitude: 39-58-22 N
Longitude: 091-19-54 W
ERP: 56.80 kW
Channel: 29
Frequency: 563.0 MHz
AMSL Height: 431.0 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.5
Prop Model: FCC Method

Exhibit E-5

Service Contour Comparison
KHQA-DT - Hannibal, Missouri
Barrington Quincy License LLC
February, 2009

D.L. Markley & Associates, Inc.

- KHQA-DT Pre-Transition Noise Limited Contour
- KHQA-DT Post-Transition Noise Limited Contour

Contour Population:
Pre-Transition - 207,202
Post-Transition - 327,354

