

TECHNICAL EXHIBIT
LPTV DISPLACEMENT APPLICATION
STATION W08DH (FACILITY ID 23844)
SOUTH EAST MEMPHIS, TENNESSEE
CH 33 15 KW (MAX-DA)

Technical Narrative

This Technical Exhibit supports a displacement application for low power television (LPTV) station W08DH at South East Memphis, Tennessee. Station W08DH is permitted to operate on analog channel 8 with a directional antenna maximum (visual) effective radiated power (ERP) of 0.053 kW and an antenna height above mean sea level (RCAMSL) of 111 meters (BPTVL-19920214NX). The station is currently operating under a special temporary authority (STA): BESTA-20051004AC.

Station KAIT(TV) is licensed to operate on analog channel 8 at a location 134 kilometers from the current W08DH transmitter site (BMLCT-20030729AGS). W08DH is involved in prohibited contour overlap with KAIT.

Proposed Facilities

This application proposes operation on digital channel 33 from a registered tower structure that the applicant currently owns. The proposed site is located 11 kilometers north of the current site. An MCI, model 955318 master directional antenna with a maximum ERP of 15 kW and antenna RCAMSL of 270 meters is proposed. The transmitter site coordinates are (NAD27): 35-12-41 N, 89-48-54 W. The ASRN for the existing supporting structure is 1043762 (see Figure 1).

Figure 2 is a map showing the licensed analog 74 dBu and the proposed digital 51 dBu contours. As can be seen on the map, there is common area where both contours overlap.

Allocation Considerations

A study has been conducted to assure that the proposal will not create prohibited interference with other licensed, authorized or pending analog or digital TV, LPTV/translator and Class A TV stations.

Using the procedures outlined in the FCC's OET-69 Bulletin, only de minimis interference is predicted to occur to other stations. If necessary, a waiver of the FCC rules is respectfully requested based on use of the procedures outlined in the FCC's OET-69 Bulletin to the remaining LPTV/translator stations.

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	App. Ref. No.	Calc. OET-69 Interf.
33	K46EM	JONESBURO AR	114.6	APP	BPTTL-20010926ABS	0
34	960716KF	SENATOBIA MS	44.0	APP	BPET-19960716KF	208,231 (21.6%)
34	961001KI	SENATOBIA MS	43.6	APP	BPET-19961001KI	55,196 (5.4%)
34	960724KL	SENATOBIA MS	44.0	APP	BPET-19960724KL	18,152 (1.7%)
34	960701KF	SENATOBIA MS	66.6	APP	BPET-19960701KF	22,122 (8.9%)

It is noted that the above Senatobia pending applications do not require protection from W08DH as they have not been granted. The applicant recognizes the proposal is secondary to authorized full-service analog and DTV operations. The applicant understands that it must correct and/or eliminate prohibited interference that may result from its proposed operation.

Alternate Analog Channel Search

A search of the entire in-core TV band (channels 2-51) was conducted to determine if another analog channel was available for W08DH. The search was conducted using the geographic coordinates of the W08DH transmitter site. Figure 3 summarizes the results of the channel search and tabulates each channel, the primary station precluding use of the channel and the distance between the primary station and the W08DH site. Only the most restrictive station in each case is listed for each channel although there may be other restricting stations of lesser magnitude.

Radiofrequency Electromagnetic Field Exposure

The proposed W08DH facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the antenna is located 185 meters above ground level. The proposed ERP of 15 kW is assumed. A conservative relative field value of 0.5 was assumed for the MCI directional antenna's downward radiation. The calculated power density at a point 2 meters (6.6 feet) above ground level is 0.004 mW/cm^2 . This is less than 5% of the FCC's recommended limit of 0.39 mW/cm^2 for channel 33 for an "uncontrolled" environment.

Access to the transmitting site will be restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner as part of the tower registration process.



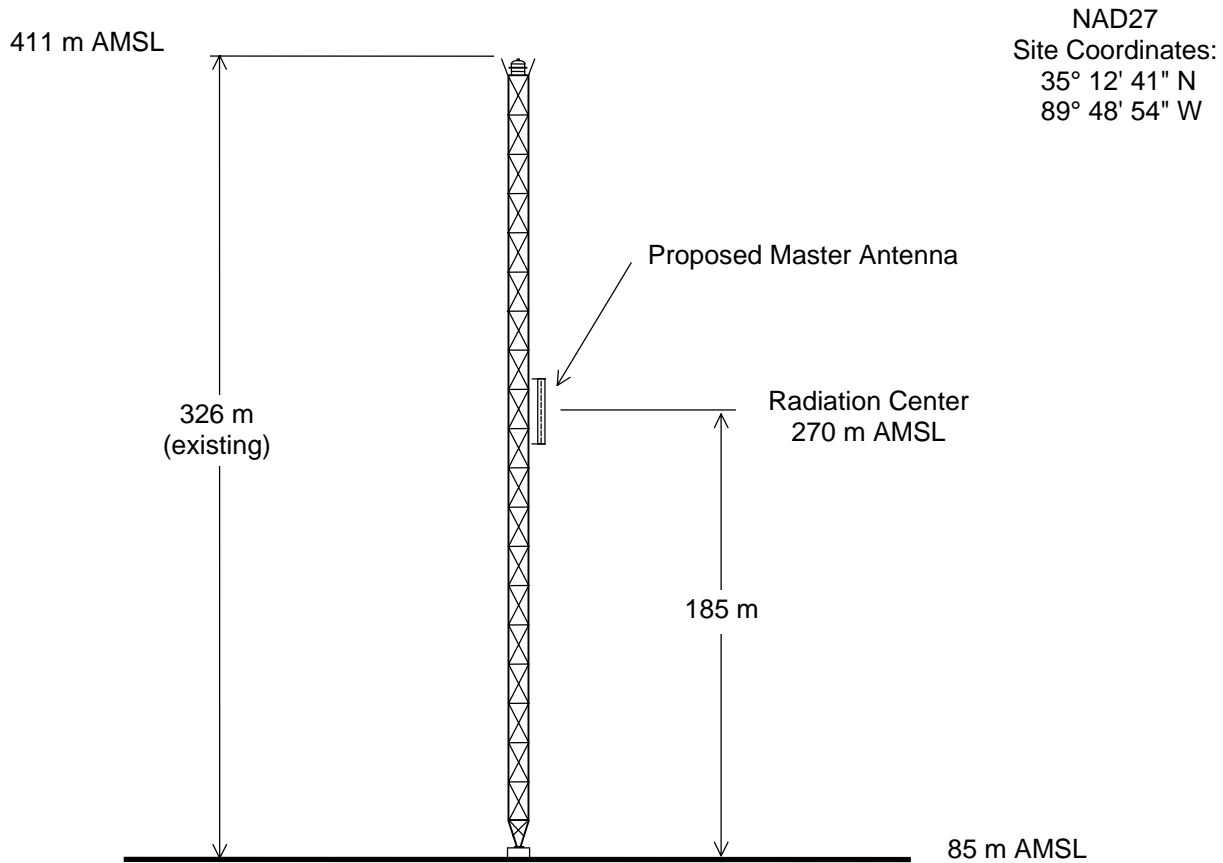
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February 21, 2006



ASRN: 1043762



Not to Scale

ANTENNA AND SUPPORTING STRUCTURE

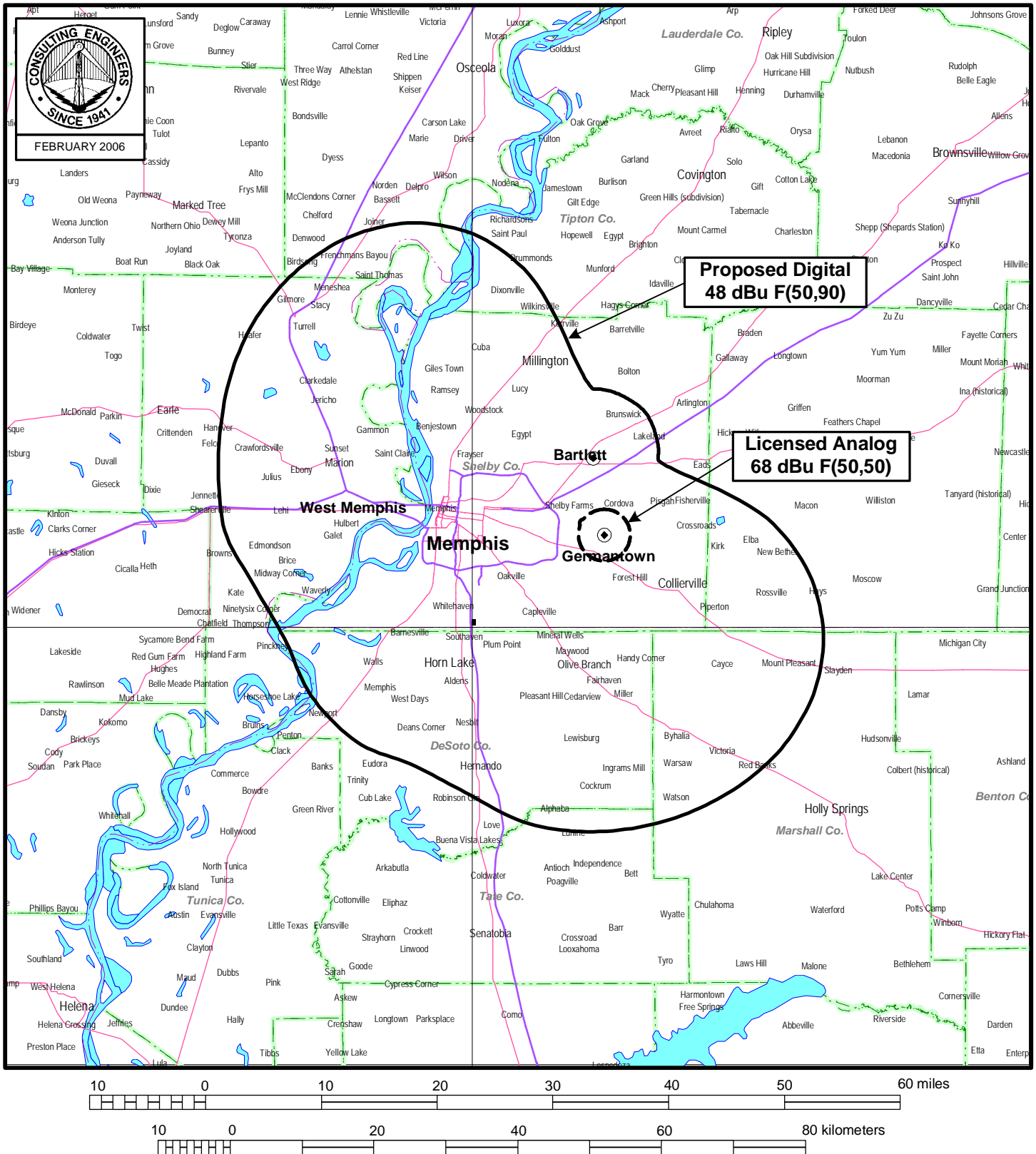
STATION W08DH

SOUTH EAST MEMPHIS, TENNESSEE

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du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2



PREDICTED COVERAGE CONTOURS

STATION W08DH

SOUTH EAST MEMPHIS, TENNESSEE

CH 33 15 KW (MAX-DA)

du Treil, Lundin & Rackley, Inc Sarasota, Florida

SUMMARY OF ANALOG LPTV CHANNEL SEARCH

Channel	Primary Precluding Assignment	Channel	Distance From Licensed Site	Distance From Proposed Site
2	WREG-TV, Memphis, TN	3	8	4
3	WREG-TV, Memphis, TN	3	8	4
4	WREG-TV, Memphis, TN	3	8	4
5	WMC-TV, Memphis, TN	5	10	8
6	WMC-TV, Memphis, TN	5	10	8
7	WBBJ-TV, Jackson, TN	7	116	112
8	KAIT(TV), Jonesboro, AR	8	134	126
9	KAIT(DT), Jonesboro, AR	9	134	126
10	WKNO(TV), Memphis, TN	10	5	6
11	WLJT(TV), Lexington, TN	11	127	123
12	WMAE-TV, Booneville, MS	12	108	114
13	WHBQ-TV, Memphis, TN	13	8	5
14	960405KF (CP), Memphis, TN	14	53	44
15	W57CG, Memphis, TN	15	11	0
16	WJKT, Jackson, TN	16	98	91
17	WMAV-TV, Oxford, MS	18	92	103
18	WMAV-TV, Oxford, MS	18	92	103
19	KTEJ, Jonesboro, AR	19	124	116
20	KTEJ-DT, Jonesboro, AR	20	124	116
21	97.5 % IX received			
22	WJRJ-LP (App), Memphis, TN	23	9	13
23	WJRJ-LP (App), Memphis, TN	23	9	13
24	WPTY-TV, Memphis, TN	24	18	8
25	WPTY-DT, Memphis, TN	25	18	8
26	W67CV (CP), Memphis, TN	26	11	0
27	WPTY-TV, Memphis, TN	24	18	8
28	WREG-DT, Memphis, TN	28	8	4
29	WKNO-DT, Memphis, TN	29	5	6
30	WLMT, Memphis, TN	30	18	8
31	WLMT-DT, Memphis, TN	31	18	8
32	WLMT, Memphis, TN	30	18	8
33	WBUY-TV, Holly, MS	40	17	27
34	WLMT, Memphis, TN	30	18	8
35	91.3 % IX received			
36	WMAV-DT, Oxford, MS	36	92	103
38	W38BY (App), Lakeland, TN	38	11	0
39	WJKT-DT, Jackson, TN	39	98	91
40	WBUY-TV, Holly, MS	40	17	27
41	WBUY-DT, Holly, MS	41	17	27
42	W42BY(CA), Memphis, TN	42	23	23
43	WBBJ-DT, Jackson, TN	43	116	112
44	WBXP-CA, Memphis, TN	44	23	22
45	WLMT, Memphis, TN	30	18	8
46	W46CG, Jackson, TN	46	112	108
47	WLJT-DT, Lexington, TN	47	127	123
48	KVTJ, Jonesboro, AR	48	85	78
49	KVTJ-DT, Jonesboro, AR	49	85	78
50	WPXX-TV, Memphis, TN	50	11	0
51	WPXX-DT, Memphis, TN	51	11	0