

TECHNICAL EXHIBIT
MINOR AMENDMENT APPLICATION
RADIO STATION WASZ(FM) (FACILITY ID 52320)
HOBSON CITY, ALABAMA

AUGUST 11, 2004

CH 238A 0.53 KW(MAX-DA) 332 M

TECHNICAL EXHIBIT
MINOR AMENDMENT APPLICATION
RADIO STATION WASZ(FM) (FACILITY ID 52320)
HOBSON CITY, ALABAMA
CH 238A 0.53 KW (MAX-DA) 332 M

Table of Contents

Technical Narrative

Figure 1	Antenna and Supporting Structure
Figure 2	FCC Predicted Coverage Contours
Figure 3	Allocation Study
Figure 4	Relative Field Pattern Envelope

TECHNICAL EXHIBIT
MINOR AMENDMENT APPLICATION
RADIO STATION WASZ(FM) (FACILITY ID 52320)
HOBSON CITY, ALABAMA
CH 238A 0.53 KW (MAX-DA) 332 M

Technical Narrative

The technical exhibit of which this narrative is part was prepared to support an amendment to the pending application for construction permit for WASZ(FM) on Channel 238A at Hobson City, Alabama. This application seeks to modify its facilities pursuant to the Report and Order in MB Docket Number 03-77.

The proposal would not be subject to environmental processing in accordance with Section 1.1306. It is believed that this proposal conforms to all applicable rules and regulations of the FCC.

Proposed Transmitter Location

It is proposed to operate from a new transmitter site with a directional antenna and maximum ERP of 0.53 kW (antenna HAAT of 332 meters). The proposed transmitting facility coordinates are:

33° 37' 38" North Latitude
85° 53' 25" West Longitude

A sketch showing the antenna and supporting structure is shown on Figure 1. There is no proposed change in overall tower height (ASRN: 1020310).

Interference Concerns

The 115 dBu predicted "blanketing" contour of the proposed station would extend radially 0.3 kilometer from the transmitting site. The applicant recognizes its responsibility to resolve complaints of interference, including blanketing and receiver-induced interference as required by Sections 73.315(b), 73.316(e) and 73.318.

FCC Predicted Coverage Contours

The predicted coverage contours for the proposed operation were calculated in accordance with the provisions of Section 73.313. Pursuant with current FCC practice, the distances to the contours were calculated without consideration given to terrain roughness correction factors.

The average terrain elevations from 3 to 16 kilometers along eight radials evenly spaced at 45 degree intervals were obtained from the 30-second N.G.D.C. terrain database. The terrain elevations were then used in combination with the effective radiated power for determining the distances to coverage contours.

Figure 2 is a map showing the predicted coverage contours. As the map illustrates, the FCC predicted 70 dBu contour will encompass all of Hobson City (2000 U.S. Census). Therefore, the proposal complies with the FCC's FM city coverage policy.

Allocation Study

Channel 238A at the proposed site will satisfy the Commission's minimum separation distance requirements, specified in Section 73.207(b) of the Rules, to all assignments except to WFMH-FM on Channel 238A at Holly Pond, WBTS(FM) on Channel 238C1 at Athens, Georgia (including WBTS(FM)'s proposal to change its city of license), and the contingent application of WBHJ(FM) at Midfield, Alabama.

As ordered in MB Docket Number 03-77, WFMH-FM will be moving to another community that will not have an allocation issue to this instant application. Therefore, WFMH-FM will no longer be an allocation issue.

WBHJ(FM) is filing a contingent application seeking operation on Channel 239C2 at Midfield, Alabama. WBHJ(FM) is seeking Section 73.215 processing to this instant WASZ(FM) application. Likewise, WASZ(FM) is seeking Section 73.215 processing toward WBHJ(FM).

WASZ(FM) is also seeking Section 73.215 processing to WBTS(FM), at both its licensed site and the allocation proposal to reallocate its community of license to Doraville.

Radiofrequency Electromagnetic Field Exposure

The proposed WASZ(FM) 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 proposed antenna is located 31 meters above ground level. The total ERP (horizontal & vertical polarizations) is 1.06 kW. The calculated power density at a point two meters above ground level for the proposed facility, assuming a conservative downward relative field value of 0.5, will not exceed 0.0113 mW/cm^2 . This is 6% of the FCC's recommended limit of 0.2 mW/cm^2 for FM frequencies for an "uncontrolled" environment. There are no other known broadcast facilities on the proposed supporting structure.

When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency electromagnetic will not exceed the FCC guidelines.

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.

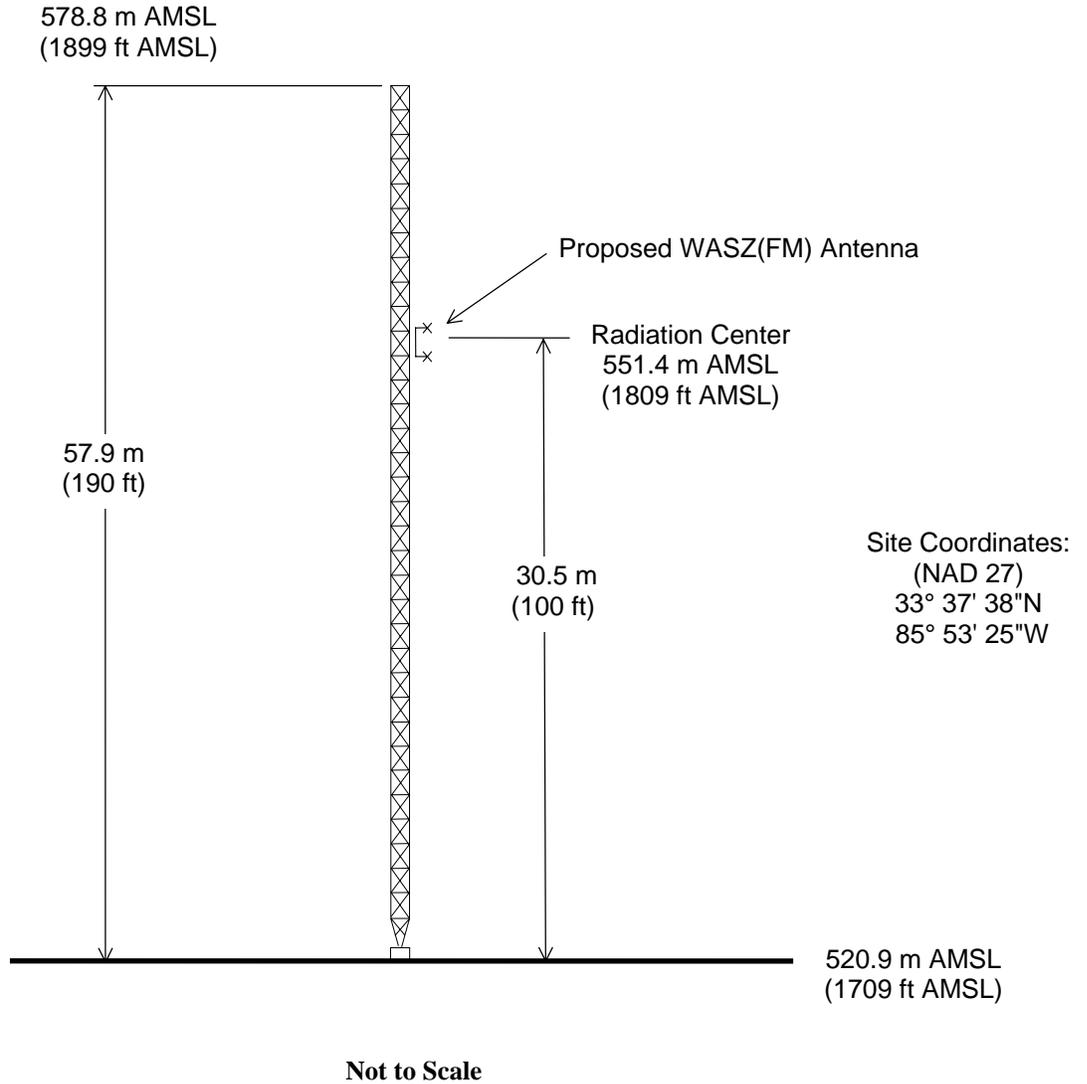


Jonathan N. Edwards

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
941.329.6000

August 11, 2004

ASRN: 1020310



ANTENNA AND SUPPORTING STRUCTURE

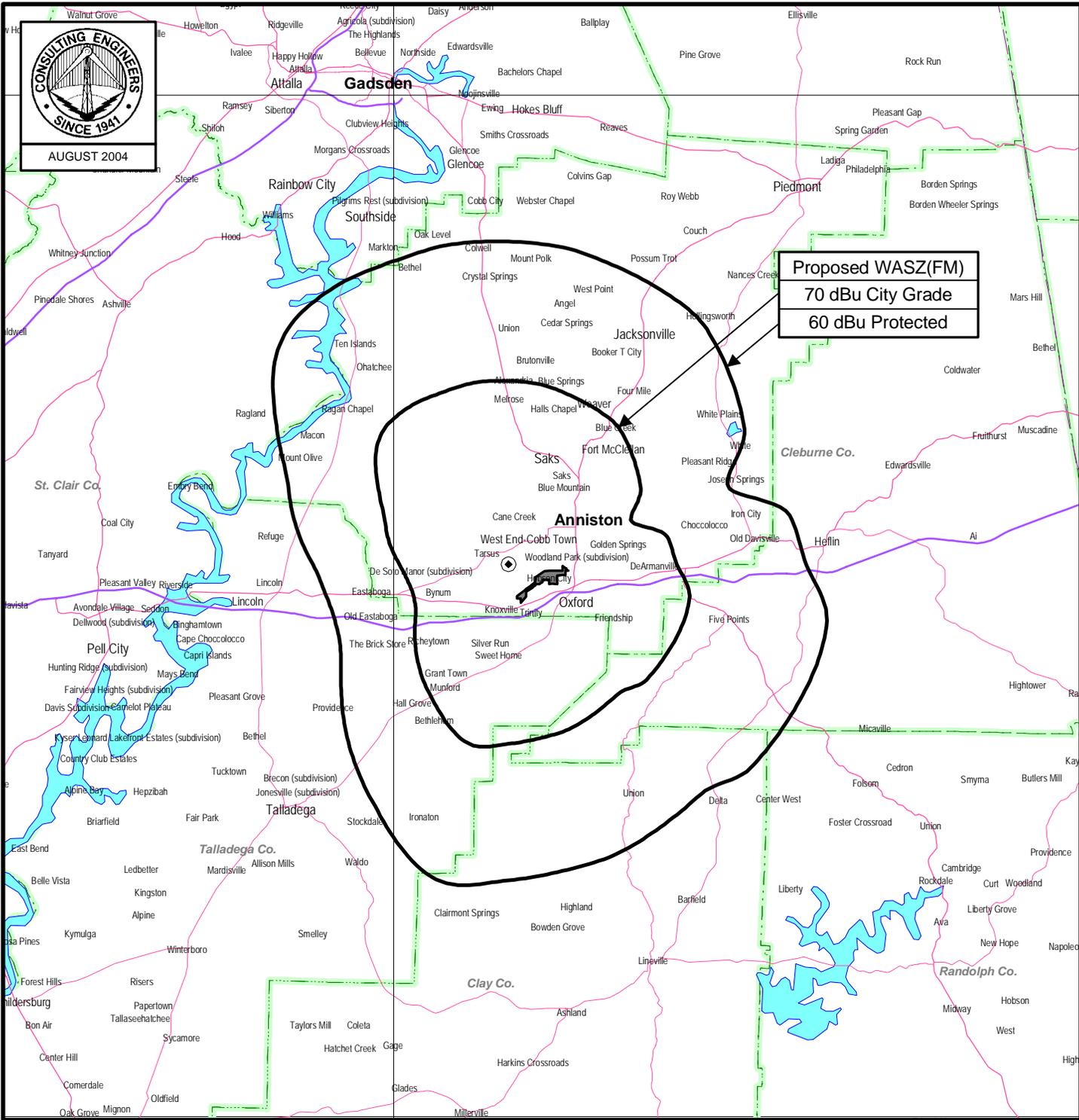
RADIO STATION WASZ(FM)

HOBSON CITY, ALABAMA

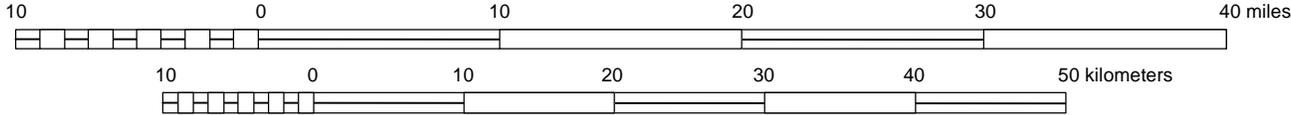
CH 238A 0.53 KW(MAX-DA) 332 M

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

Figure 2



Proposed WASZ(FM)
 70 dBu City Grade
 60 dBu Protected



FCC PREDICTED COVERAGE CONTOURS

RADIO STATION WASZ(FM)

HOBSON CITY, ALABAMA

CH 238A 0.53 KW (MAX-DA) 332 M

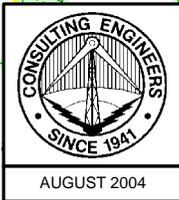
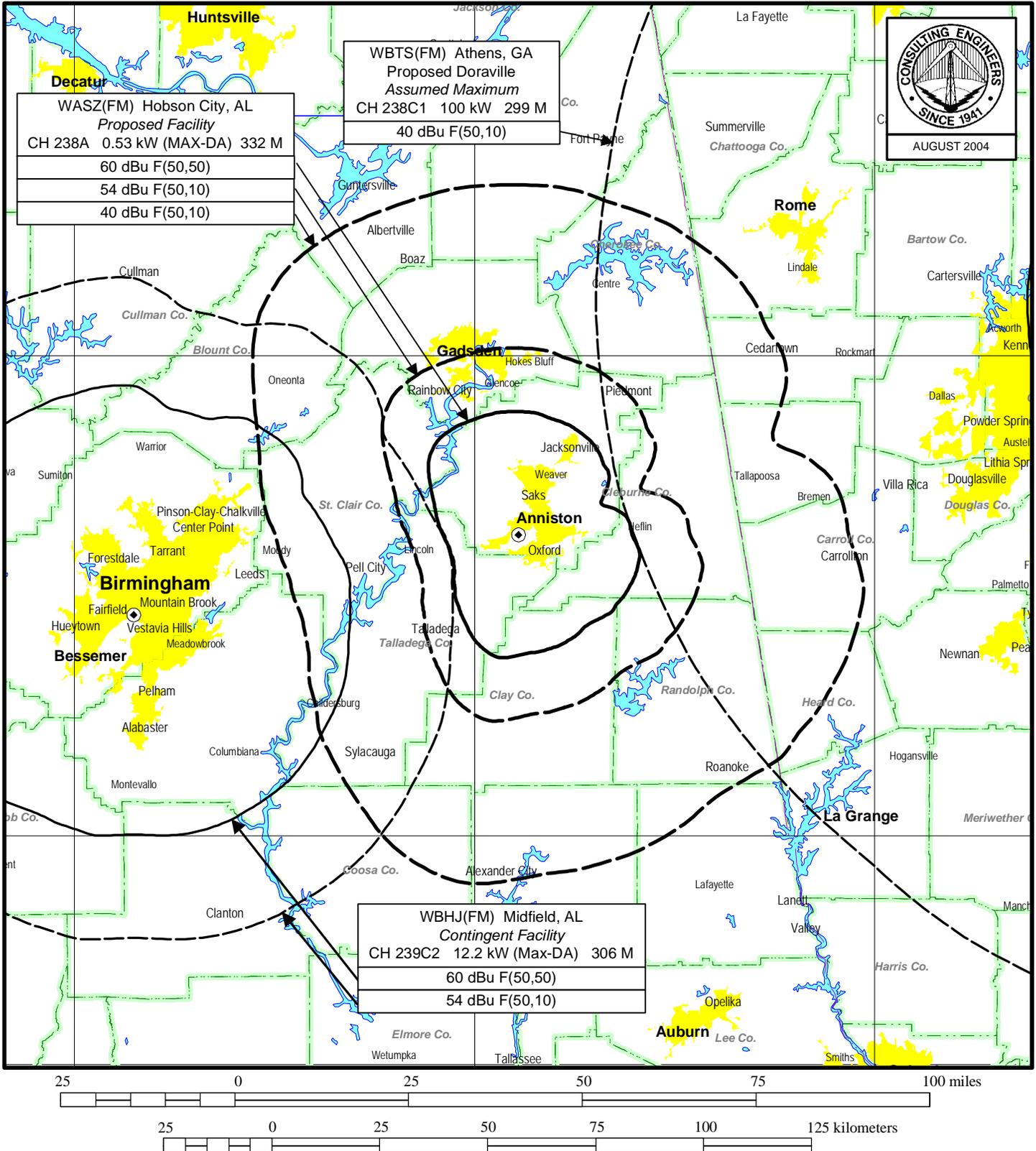
du Treil, Lundin & Rackley, Inc Sarasota, Florida

TECHNICAL EXHIBIT
MINOR AMENDMENT APPLICATION
RADIO STATION WASZ(FM) (FACILITY ID 52320)
HOBSON CITY, ALABAMA
CH 238A 0.53 KW (MAX-DA) 332 M

Allocation (Separation) Study

33° 37' 38" North Latitude
85° 53' 25" West Longitude

Call Id	City St	File Status Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req min
WSRM 30623	COOSA GA CP	BPH C 19900226MD	237 A 95.3	3.0 100	N	34-11-41 085-20-55	N	38.2	80.45	72.0
0	HOBSON CITY AL ADD	RM C 10660	238 A 95.5	0.0		33-29-30 085-52-55		177.1	15.05	115.0
<i>(Applicant's subject facility. No allocation issue).</i>										
WASZ 52320	ASHLAND AL APP	BPH C 20040521AEP	238 A 95.5	1.1 230	Y 66667	33-40-51 085-50-58	Y	49.2	9.13	115.0
<i>(Applicant's subject facility. No allocation issue).</i>										
WASZ 52320	ASHLAND AL LIC	BLH C 19950621KA	238 A 95.5	1.7 188	N	33-18-30 085-50-58	N	173.9	35.57	115.0
<i>(Applicant's subject facility. No allocation issue).</i>										
WFMH-F 24578	HOLLY POND AL LIC	BLH C 19991109ACC	238 A 95.5	6.0 100	Y 28292	34-06-16 086-41-47	Y	305.7	91.46	115.0
<i>(WFMH-FM at Holly Pond moving to Hackleburg pursuant to MB Docket 03-77. Therefore, no allocation issue.)</i>										
WBTS 11710	ATHENS GA LIC	BLH C 20011016AAF	238 C1 95.5	74.0 340	N	34-07-32 083-51-32	N	73.0	195.90	200.0
<i>(Section 73.215 processing requested toward WBTS-FM at Athens. No prohibited contour overlap is predicted. See Sheet 2 of Figure 3.)</i>										
0	DORAVILLE GA ADD	RM C 10738	238 C1 95.5	0.0		34-07-32 083-51-32		73.0	195.90	200.0
<i>(Section 73.215 processing requested toward proposed Channel 238C1 at Doraville. No prohibited contour overlap is predicted. See Sheet 2 of Figure 3.)</i>										
0	MIDFIELD AL RSV	RM C 10660	239 C2 95.7	0.0		33-24-50 087-01-05		257.5	107.41	106.0
WBHJ 730	MIDFIELD AL APP	BPH C 20040521AEO	239 C2 95.7	12.2 306	Y 66666	33-27-37 086-51-07		258.5	91.22	106.0
<i>(Section 73.215 processing requested to pending contingent application for WBHJ at Midfield).</i>										
WBHJ 730	TUSCALOOSA AL LIC	BLH C 19950411KA	239 C2 95.7	100.0 299	N	33-05-38 087-15-15	Y	245.3	140.05	133.0



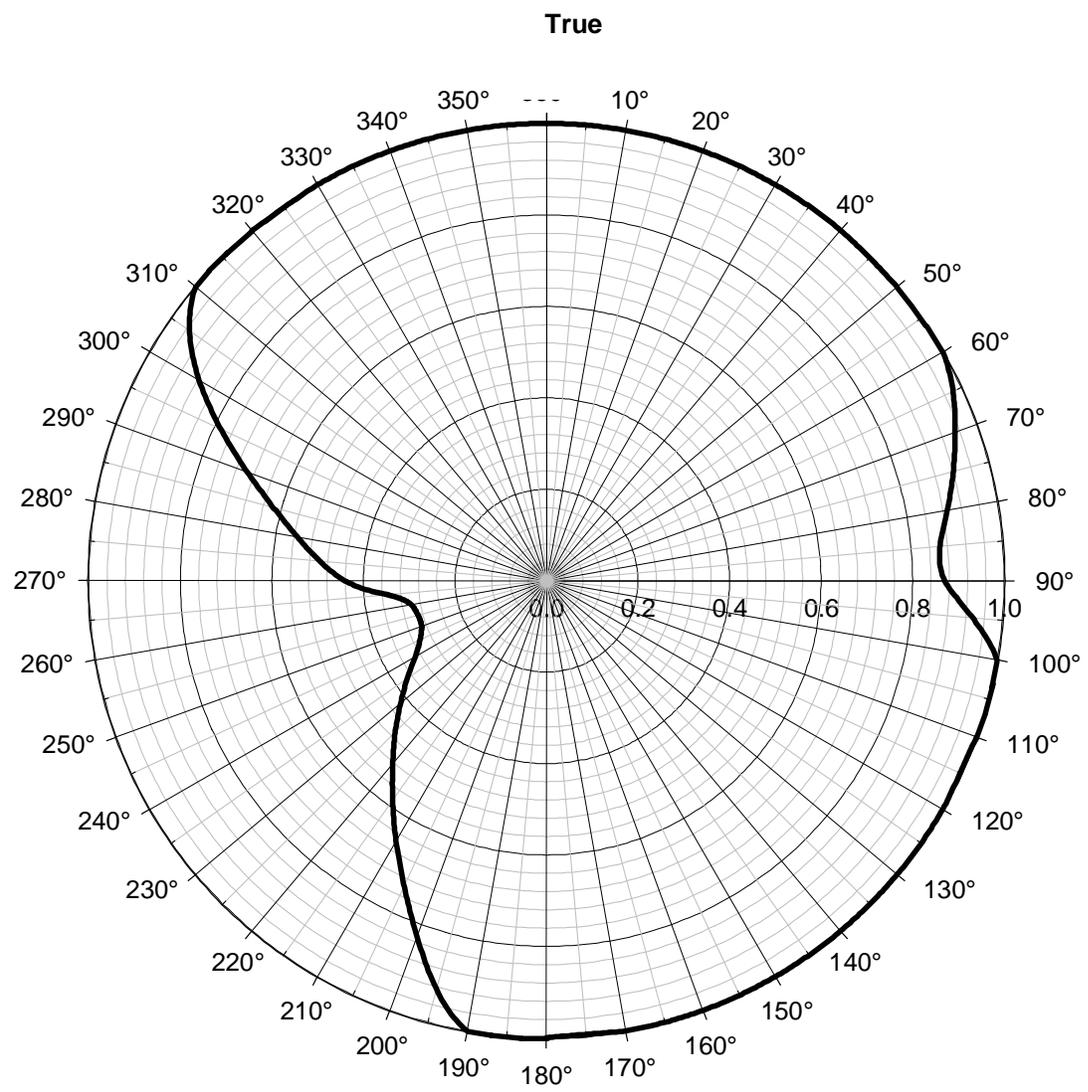
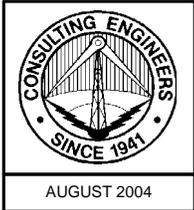
SECTION 73.215 ALLOCATION STUDY

RADIO STATION WASZ(FM)

HOBSON CITY, ALABAMA

CH 238A 0.53 KW (MAX-DA) 332 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida



Bearing	Rel. Field
0-60	1.000
70	0.950
80	0.890
90	0.870
100-190	1.000
200	0.827
210	0.657
220	0.522
230	0.415
240	0.330
250	0.290
260	0.300
270	0.350
280	0.440
290	0.553
300	0.696
310	0.876
320-350	1.000

WASZ RELATIVE FIELD PATTERN ENVELOPE

RADIO STATION WASZ(FM)
HOBSON CITY, ALABAMA

CH 238A 0.53 KW (MAX-DA) 332 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida