

TECHNICAL EXHIBIT
MINOR MODIFICATION APPLICATION
RADIO STATION WASZ(FM) (FACILITY ID 52320)
HOBSON CITY, ALABAMA
CH 238A 1.1 KW (MAX-DA) 230 M

Technical Narrative

The technical exhibit of which this narrative is part was prepared to support an 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 with 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 1.1 kW (antenna HAAT of 230 meters). The proposed transmitting facility coordinates are:

33° 40' 51" North Latitude
85° 48' 56" 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: 1034692).

Interference Concerns

The 115 dBu predicted "blanketing" contour of the proposed station would extend radially 0.4 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 2.2 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 0.02 mW/cm^2 . This is 10% 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.

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ASRN: 1034692



511 m AMSL
(1677 ft AMSL)

57 m
(187 ft)

Proposed WASZ(FM) Antenna

Radiation Center
485 m AMSL
(1590 ft AMSL)

31 m
(100 ft)

Site Coordinates:
(NAD 27)
33° 40' 51"N
85° 48' 56"W

454 m AMSL
(1490 ft AMSL)

Not to Scale

ANTENNA AND SUPPORTING STRUCTURE

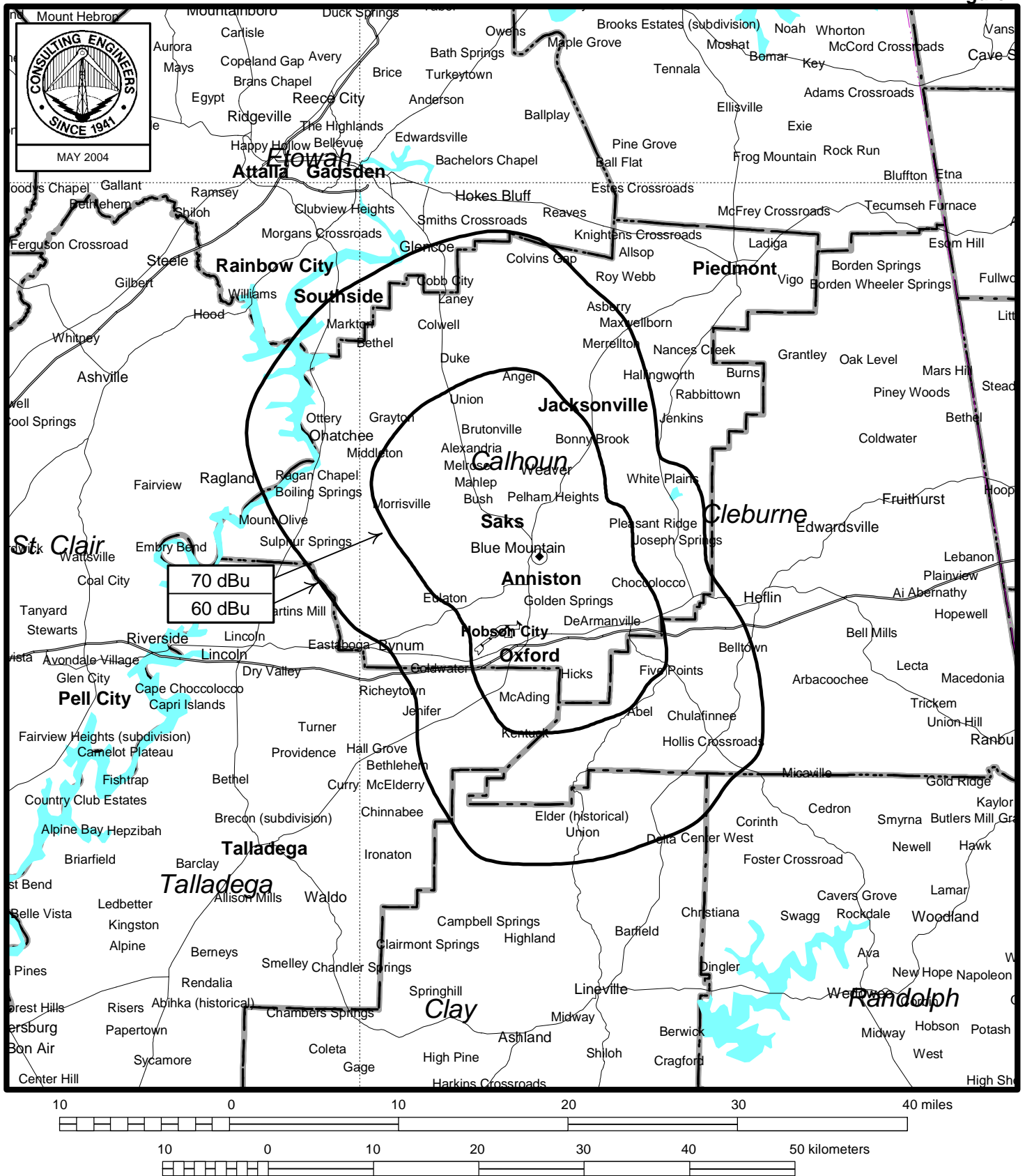
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du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2



FCC PREDICTED COVERAGE CONTOURS

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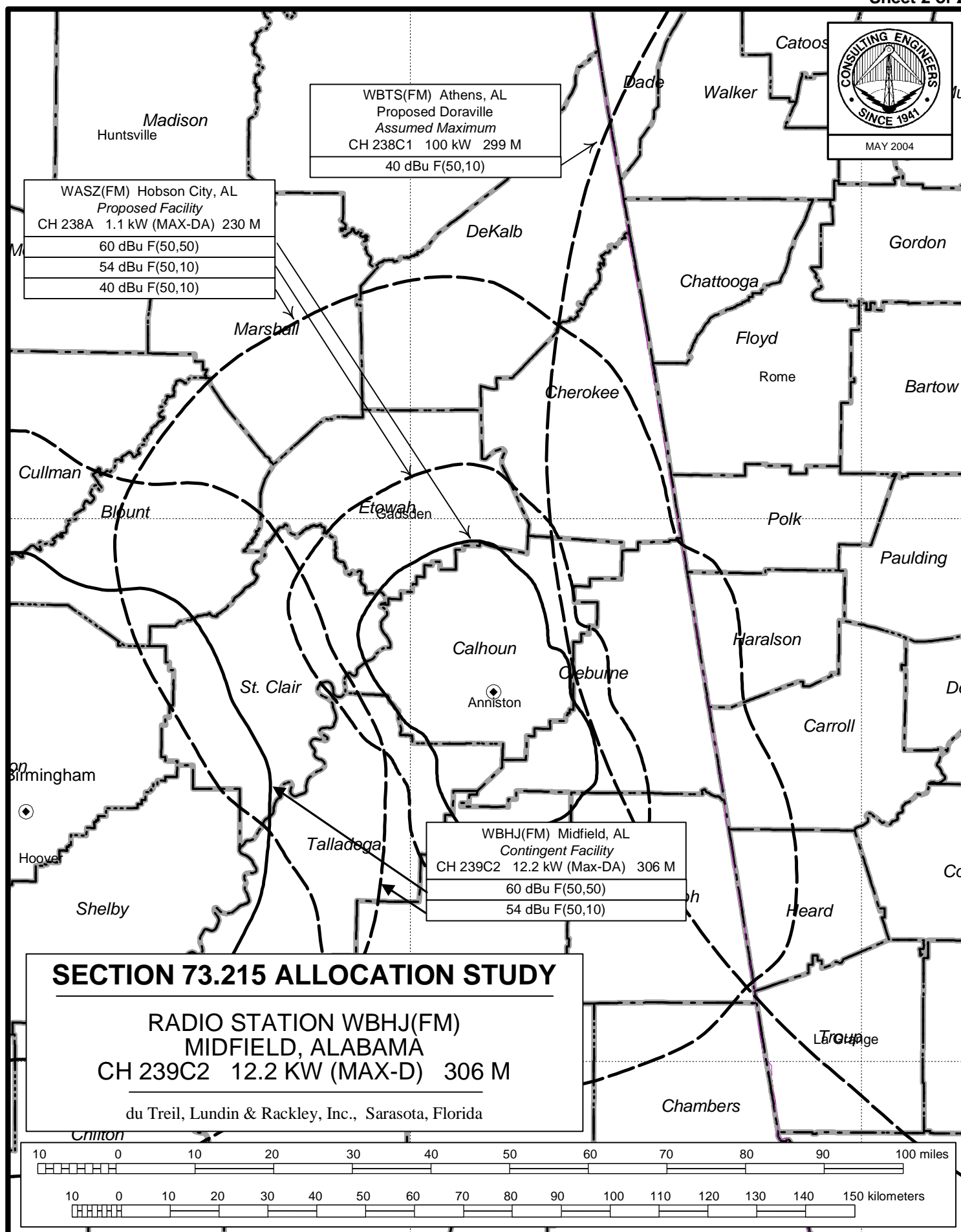
du Treil, Lundin & Rackley, Inc., Sarasota, Florida

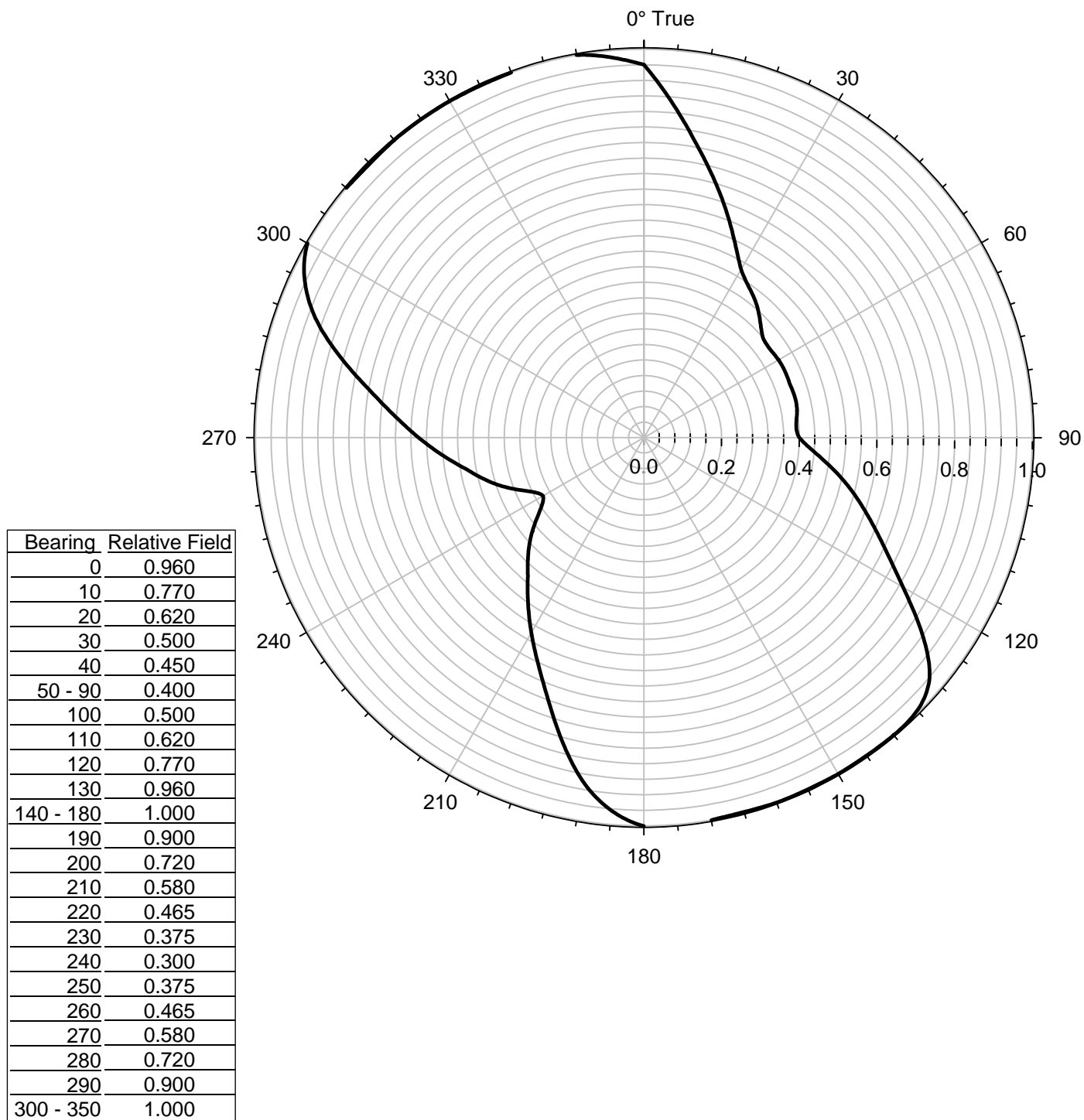
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Allocation (Separation) Study

33° 40' 51" North Latitude
85° 48' 56" West Longitude

Call Id	City St	Status	File Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear (km)	Dist. min	Req min
WSRM 30623	COOSA GA CP		BPH C 19900226MD	237 A 95.3	3.000 100	N	34-11-41 085-20-55	N	36.9	71.50	72.0
(Separation distance rounds to 72 kilometers, therefore, no allocation issue.)											
0	HOBSON CITY AL ADD	RM C 10660		238 A 95.5	0.000		33-29-30 085-52-55		196.3	21.87	115.0
(Applicant's subject facility. No allocation issue).											
WASZ 52320	ASHLAND AL LIC		BLH C 19950621KA	238 A 95.5	1.700 188	N	33-18-30 085-50-58	N	184.3	41.43	115.0
(Applicant's subject facility. No allocation issue).											
WFMH-F 24578	HOLLY POND AL LIC		BLH C 19991109ACC	238 A 95.5	6.000 100	Y 28292	34-06-16 086-41-47	Y	300.3	94.06	115.0
-20.94 Short (WFMH-FM at Holly Pond moving to Hackleburg pursuant to MB Docket 03-77. Therefore, no allocation issue.)											
WBTS 11710	ATHENS GA LIC		BLH C 20011016AAF	238 C1 95.5	74.000 340	N	34-07-32 083-51-32	N	74.1	187.58	200.0
(Section 73.215 processing requested toward WBTS-FM at Athens. No prohibited contour overlap is predicted. See Sheet 2 of Figure 3.)											
0	DORAVILLE GA ADD	RM C 10738		238 C1 95.5	0.000		34-07-32 083-51-32		74.1	187.58	200.0
(Section 73.215 processing requested toward proposed Channel 238C1 at Doraville. No prohibited contour overlap is predicted. See Sheet 2 of Figure 3.)											
0	MIDFIELD AL ADD	RM C 10660		239 C2 95.7	0.000		33-24-50 087-01-05		255.4	115.54	106.0
WBHJ 0	MIDFIELD AL ADD	APP C 10660		239 C2 95.7	0.000		33-27-37 086-51-07		256.8	99.3	106.0
(Section 73.215 processing requested to pending contingent application for WBHJ at Midfield).											





WASZ RELATIVE FIELD PATTERN ENVELOPE

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