

TECHNICAL EXHIBIT
MINOR MODIFICATION APPLICATION
RADIO STATION WJMZ((FM) (FACILITY ID 1303)
ANDERSON, SOUTH CAROLINA
CH 297C0 100 KW 313 M

Technical Narrative

The technical exhibit of which this narrative is part was prepared to support an application for construction permit for WJMZ(FM) on Channel 297C at Anderson, South Carolina. This application seeks to modify its facilities by relocating its transmitter site, decrease its antenna height above average terrain, and re-classify itself to a Class C0 facility.

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 atop the WMYA-TV tower. Therefore, an existing tower at the following geographic coordinates are proposed for WJMZ(FM):

34° 38' 51" North Latitude
82° 16' 13" 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: 1045371).

Interference Concerns

The 115 dBu predicted "blanketing" contour of the proposed station would extend radially 4 kilometers 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 FCC's license for co-located WROQ(FM) on Channel 266C0. 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 Anderson (2000 U.S. Census). Therefore, the proposal complies with the FCC's FM city coverage policy.

Allocation Study

Channel 297C0 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 WRHM(FM) on Channel 296A at Lancaster, South Carolina, WVSZ(FM) on Channel 297A at Chesterfield, South Carolina and WNKT(FM) on Channel 298C2 at Eastover, South Carolina. Section 73.215 processing is requested to each of these stations.

Radiofrequency Electromagnetic Field Exposure

The proposed WJMZ(FM) facility 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 310 meters above ground level. The total ERP (horizontal & vertical polarizations) is 200 kilowatts. The calculated power density at a point two meters above ground level for the proposed facility, using an assumed downward relative field value of 0.25, will not exceed 0.004 mW/cm^2 . This is less than 5% of the FCC's recommended limit of 0.2 mW/cm^2 for FM frequencies for an “uncontrolled” environment.

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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January 2, 2008

ASRN: 1045371



564 m AMSL
(1849 ft AMSL)

320 m
(1051 ft)

Radiation Center
553 m AMSL
(1815 ft AMSL)

310 m
(1017 ft)

Site Coordinates:
(NAD 27)
34° 38' 51"N
82° 16' 13"W

243 m AMSL
(798 ft AMSL)

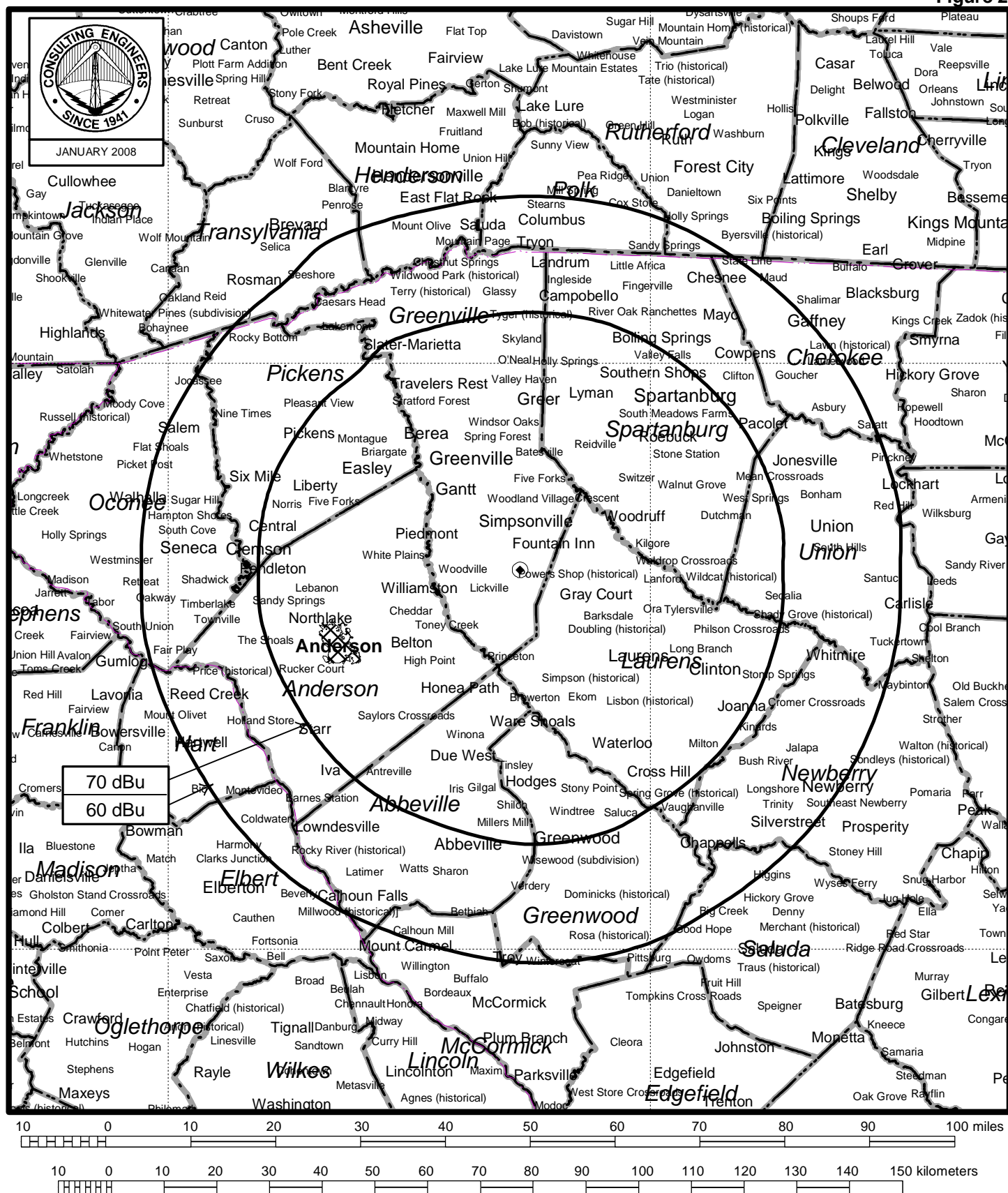
Not to Scale

ANTENNA AND SUPPORTING STRUCTURE

RADIO STATION WJMZ(FM)
ANDERSON, SOUTH CAROLINA
CH 297C0 100 KW 313 M

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

Figure 2



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CH 297C0 100 KW 313 M

Allocation (Separation) Study

34° 38' 51" North Latitude
82° 16' 13" West Longitude

Call Id	City St	Status	File Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req min
WBZT-FMMAULDIN 25240	SC	LIC C	20020404AAC	244A 96.7	0.7 288	Y	34-55-16 082-24-05	Y	338.6	32.64	25.0
WMIT 5970	BLACK MOUNT NC	BMLH LIC C	19960327KD	295C 106.9	36 942		35-44-06 082-17-10		359.3	120.66	105.0
WRHM 50776	LANCASTER SC	BLH LIC C	20070820ABW	296A 107.1	2.4 159.8	N	34-51-34 080-47-59	Y	79.6	136.69	152.0
<i>(Section 73.215 processing requested toward WRHM(FM) at Lancaster, South Carolina).</i>											
WJMZ-FMANDERSON 1303	SC	LIC C	20010628AAA	297C 107.3	100 308	N	34-42-07 082-36-19	N	281.3	31.29	
<i>(Applicant's subject facility. No allocation issue)</i>											
WVSZ 14911	CHESTERFIEL SC	BLH LIC C	20070327ADZ	297A 107.3	4.5 100	N	34-43-12 080-05-45	Y	87.1	199.43	215.0
<i>(Section 73.215 processing requested toward WVSZ-FM at Chesterfield, South Carolina).</i>											
WNKT 38900	EASTOVER SC	BPH CP C	20070119AEM	298C2 107.5	40 167	N	33-45-46 080-49-23	Y	126.1	165.59	176.0
<i>(Section 73.215 processing requested toward WNKT(FM) at Eastover, South Carolina).</i>											
WPRW-FMMARTINEZ 46967	GA	BLH LIC C	19940421KB	299C2 107.7	24.5 176	N	33-36-47 082-17-51	Y	181.2	114.7	89.0
WLNK 30834	CHARLOTTE NC	BMLH LIC C	20050728ALG	300C 107.9	100 516	N	35-21-51 081-11-13	N	50.8	126.89	105.0

