

TECHNICAL EXHIBIT
APPLICATION FOR MINOR CHANGE
FM STATION WTMP-FM (FACILITY ID 15239)
DADE CITY, FLORIDA

JANUARY 3, 2002

CH 241A 2.8 KW 147 M

TECHNICAL EXHIBIT
APPLICATION FOR MINOR CHANGE
FM STATION WTMP-FM (FACILITY ID 15239)
DADE CITY, FLORIDA
CH 241A 2.8 KW 147 M

Table of Contents

	Technical Narrative
Figure 1	Coverage Map
Figure 2	Separation Study

TECHNICAL EXHIBIT
APPLICATION FOR MINOR CHANGE
FM STATION WTMP-FM (FACILITY ID 15239)
DADE CITY, FLORIDA
CH 241A 2.8 KW 147 M

Technical Narrative

This Technical Exhibit supports an application for minor change to FM station WTMP-FM (formerly WMGG-FM) at Dade City, Florida. The current license specifies an operation on channel 241A (96.1 MHz) with a directional antenna (DA) system (BLH-19951212KA). The maximum effective radiated power (ERP) is 2.8 kilowatts (kW). The antenna height above average terrain (HAAT) is 147 meters. The transmitter site coordinates are 28-28-22, 82-17-45 (NAD-27). The FCC tower registration number for the structure is 1028057. Station WTMP-FM is authorized using Section 73.215 of the Federal Communications Commission (FCC) rules (use of short-spaced site) with respect to station WEJZ(FM) on channel 241C at Jacksonville, Florida (BLH-19881109KA, Facility ID 55706).

Proposed Facilities

This application proposes change the WTMP-FM antenna system from a directional antenna to a non-directional antenna. It is proposed to eliminate authorization using Section 73.215 of the FCC rules by reclassifying station WEJZ from Class C to Class C0. Station WEJZ is authorized to operate with an ERP of 100 kW and antenna HAAT of 300 meters. The WEJZ transmitting facilities (100 kW, 300 m) are less than the minimum required for a Class C station (100 kW, 451 m).

There is no proposed change in the WTMP-FM frequency (Ch.241A), city of assignment (Dade City, FL), ERP (2.8 kW), antenna HAAT (147 m), and transmitter site (28-28-22, 82-17-45).

The WTMP-FM transmitter site is more than 1400 kilometers from the closest point of the Canadian border. The site is more than 800 kilometers from the closest point of the Mexican border. The closest FCC monitoring station is at Vero Beach, Florida, approximately 189 kilometers to the southeast. The closest point of the National Radio Quiet Zone (VA/WV) is more than 1000 kilometers to the north. The closest point of the Table Mountain Radio Quiet Zone (CO) is more than 2,400 kilometers to the northwest. The closest radio astronomy site operating on TV channel 37 is at Green Bank, West Virginia, approximately 1130 kilometers to the north. These separations are sufficient to not be a concern for coordination purposes.

Predicted Coverage

Figure 1 is a map showing the predicted 70 dBu (3.16 mV/m) and 60 dBu (1 mV/m) contours. The map shows the Dade City limits. As shown, the predicted 70 dBu contour does not encompass all of the Dade City limits. There is no change in the WTMP-FM ERP and antenna HAAT in this direction. The application for the present WTMP-FM included a showing for principal city coverage using an alternative propagation model and a request for waiver. Since there is no proposed change in the WTMP-FM ERP or antenna HAAT toward Dade City, the alternative showing remains applicable. If the FCC requires a waiver it is respectfully requested based on the showing already on file for the present WTMP-FM operation.

Separation Study

Figure 2 contains a tabulation of actual and required separation distances with respect to other pertinent stations as specified in Section 73.207(b) of the Commission's Rules. The FCC's FM database was used as the basis for the separation study. The study indicates that there are no short-spacings assuming station WEJZ on channel 241 at Jacksonville, Florida is reclassified to Class C0 as proposed herein.

Radiofrequency Electromagnetic Field Exposure

Although there is no proposed change in ERP and antenna height, the proposed WTMP-FM facility was evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The Fm antenna center of radiation is located 116 meters above ground level. A conservative relative field value of 0.5 is assumed for the FM antenna's downward radiation. Using the conservative relative field value along with the combined ERP of 5.6 kW (2.8 kW horizontal polarization & 2.8 kW vertical polarization), the calculated power density at a point 2 meters above ground level is less than 2% of the FCC's recommended limit of 0.2 mW/cm^2 for FM channels, applicable to general population/uncontrolled exposure areas. The calculated power density is less than 1% of the FCC's limit for a "controlled" environment. Therefore, it is believed that the proposal complies with the FCC's RF limits.

Access to the transmission system 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" RF protective clothing and/or RF exposure monitors or scheduling work when the stations are at reduced power or shut down. The proposed WTMP-FM operation appears to be otherwise categorically excluded from environmental processing.

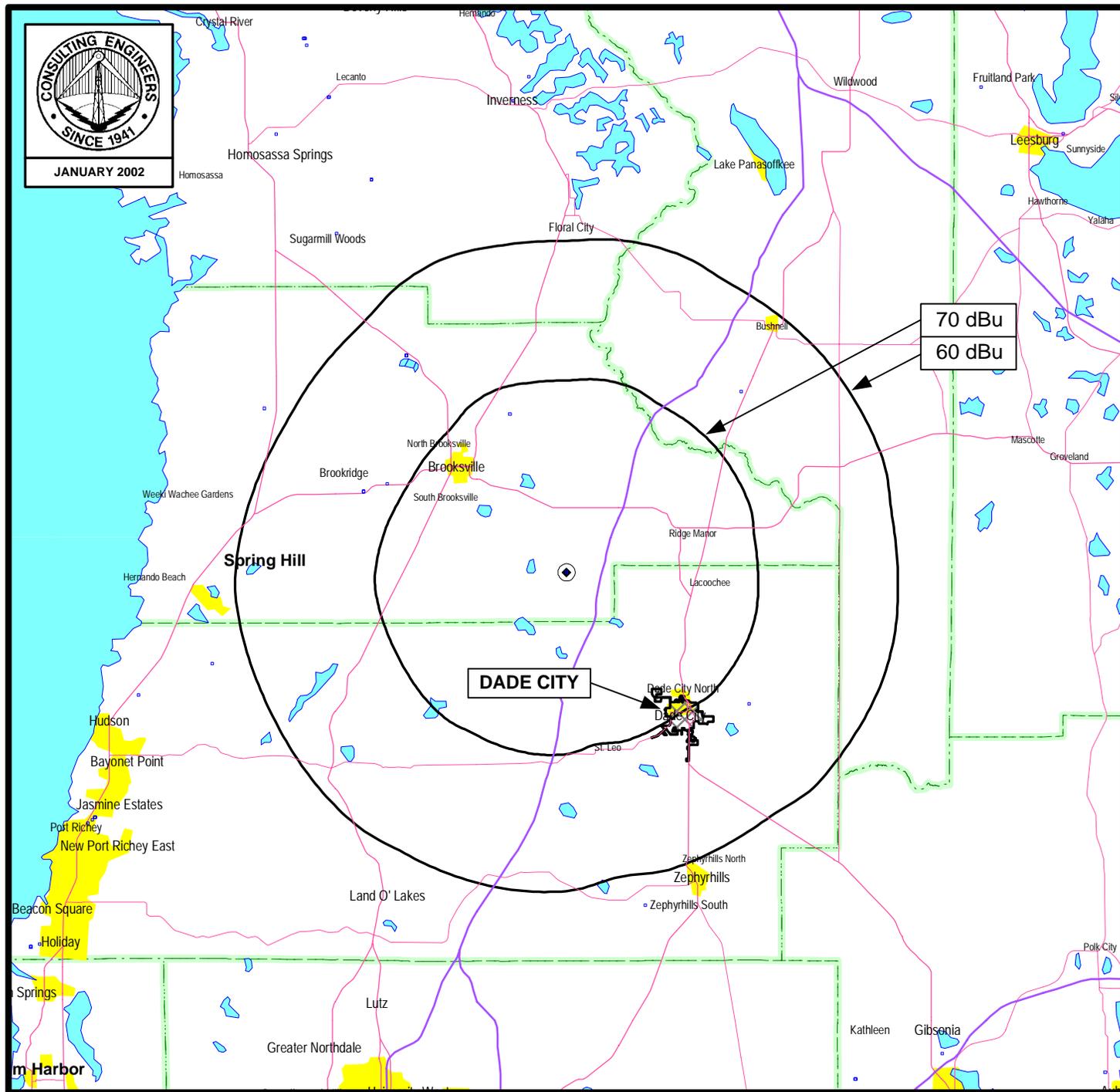
If there are questions concerning the technical portion of this application,
please contact the office of the undersigned.

John A. Lundin

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
(941) 329-6000 voice
(941) 329-6030 fax
john@DLR.com e-mail

January 3, 2002

Figure 1



PREDICTED COVERAGE CONTOURS

STATION WTMP-FM
DADE CITY, FLORIDA
CH 241A 2.8 KW 147 M

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

CDBS FM SEPARATION STUDY

Job Title: WTMP-FM, Dade City, FL
 Channel: 241A (96.1 MHz)

Separation Buffer: 65 km
 Coordinates: 28-28-22 082-17-45

Call Id	City St	File Status Num	Channel Freq	ERP-kW HAAT-m	DA Id	Latitude Longitude	73. Bear 215 deg.	Distance (km)	Required (km)
WNDD 1099	SILVER SPR. FL	BLH LIC C 19950501KA	238A 95.5	6.000 100	ND	29-16-55 082-02-50	N 15.0	92.90	31.0 Clear
WSSR 41382	CLEARWATER FL	BLH LIC C 20000119AAJ	239C1 95.7	90.000 185	ND	27-52-00 082-37-27	N 205.6	74.51	75.0 Close
Vacant 96481	OTTER CREEK FL	VAC C	240A 95.9			29-16-52 082-51-42	N 328.6	105.23	72.0 Clear
WTMP-FM 15239	DADE CITY FL	BLH LIC C 19951212KA	241A 96.1	2.800 147	DA 14920	28-28-22 082-17-45	Y 99.1	0.00	
WEJZ 55706	JACKSONVILL FL	BLH LIC C 19881109KA	241C0 96.1	100.000 300	ND	30-19-22 081-38-34	N 16.9	214.63	215.0 Close
WRXK-FM 73976	BONITA SPR. FL	BMLH LIC C 20000928ABL	241C 96.1	100.000 341	ND	26-25-22 081-37-49	N 163.8	236.49	226.0 Clear
WXOF 47881	YANKEE TOWN FL	BLH LIC C 20000104ABQ	242A 96.3	3.500 132	ND	29-01-18 082-41-20	N 328.0	71.93	72.0 Close
WHTQ 23443	ORLANDO FL	BLH LIC C 19850513KL	243C 96.5	100.000 487	ND	28-34-51 081-04-32	N 84.0	120.04	95.0 Clear
WHTQ 23443	ORLANDO FL	BPH CP C 20001017AAW	243C 96.5	100.000 454	ND	28-34-07 081-03-16	Y 84.7	121.98	95.0 Clear
WXXL 29569	TAVARES FL	BMLH LIC C 19930805KZ	294C1 106.7	100.000 251	ND	28-33-31 081-35-38	N 81.9	69.37	22.0 Clear

End of Separation Study