

Technical Exhibit

Genesis Broadcasting Network Corporation
Technical Exhibits in Support of Minor Modification of Construction Permit to
WGES

CHANNEL 215C2
33 kW
94 meters HAAT

25 14 7.0 N x 80 19 35.0 W
Key Largo, Florida

June 16, 2003

Genesis Broadcasting Network Corporation
Technical Exhibits in Support of Minor Modification of Construction Permit
for WGES

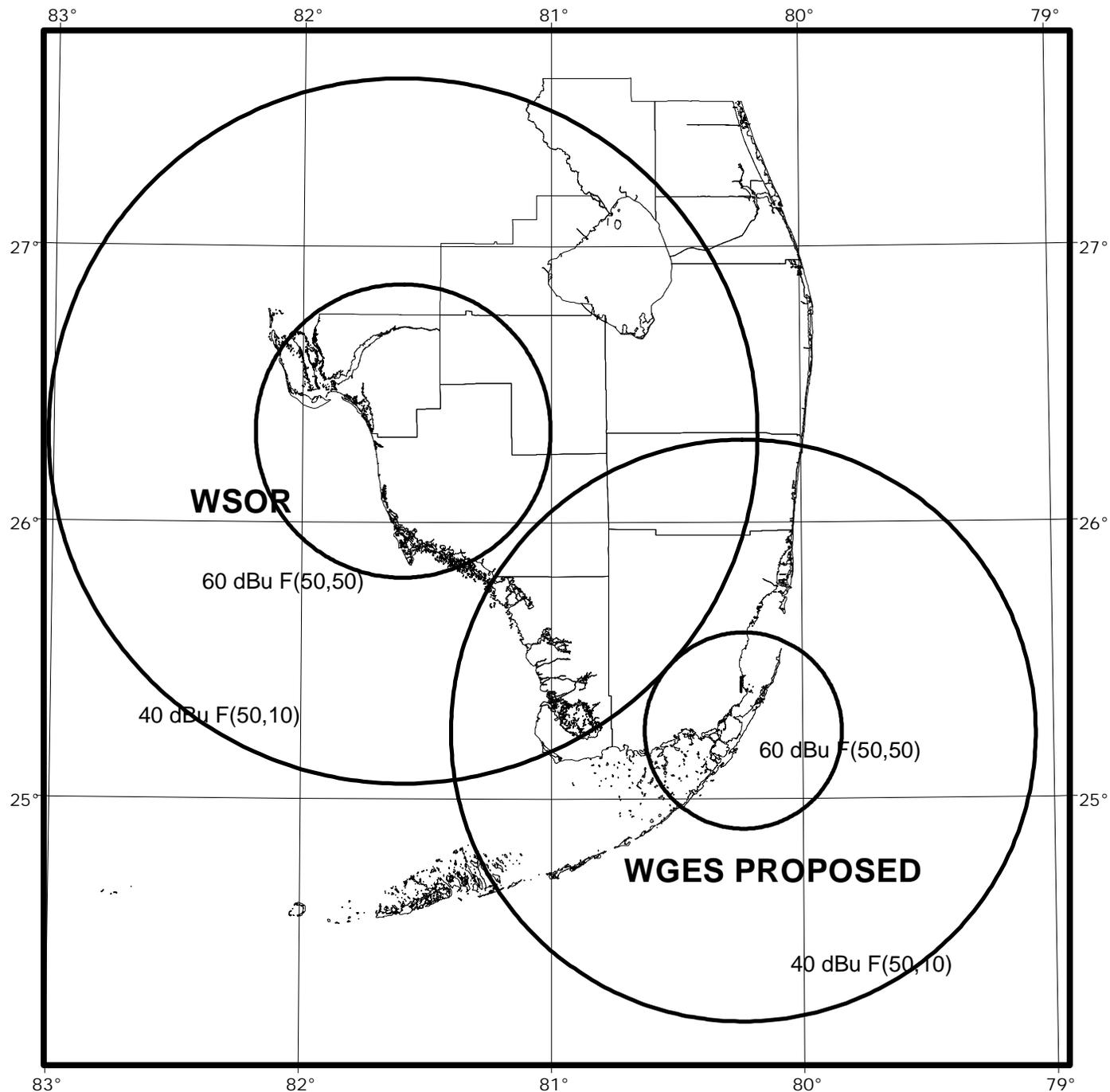
WGES Channel 215C2 – 90.9 Mhz - 33 kW - 94 M HAAT - Key Largo, Florida

This Exhibit is in support of the Minor Modification of Construction Permit application by Genesis Broadcasting Network Corporation for changes to WGES in Key Largo, Florida that will change antenna location, HAAT, and ERP.

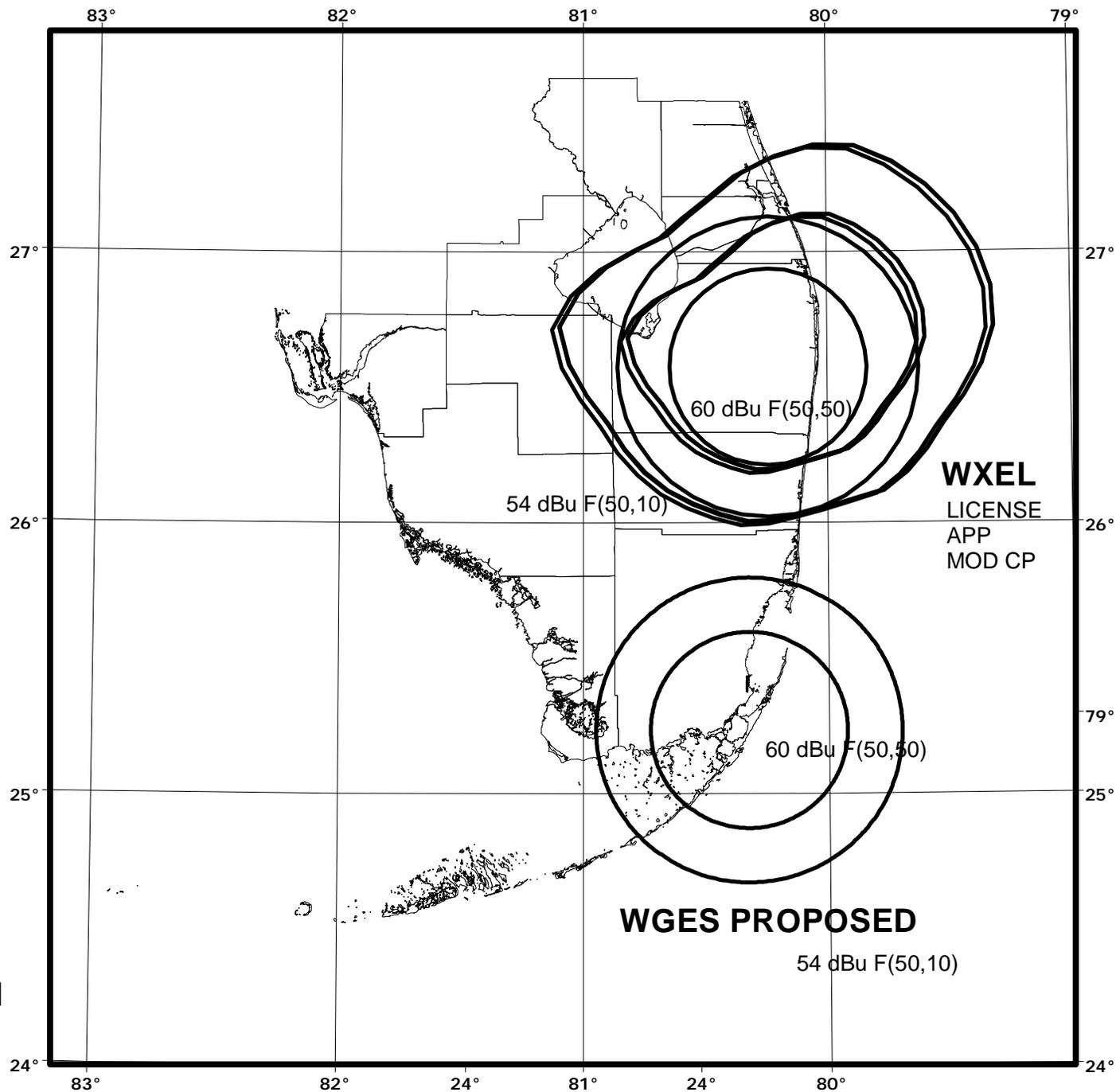
The applicant proposes to place its facility on an existing tower at 25 14 7.0 N x 80 19 35.0 W, the coordinates shown herein, and no notification of the FAA is required. This tower is located approximately 6.0 km south of Card Sound Road on Florida Highway 905. This tower is located on county property within a fenced Monroe County waste transfer facility. There is one FM translator located on this tower, and one proposed NCE FM station. The Main Studio facility of the applicant will not be located at the transmitter site but will be within the 70 dBu contour of the proposed signal as required.

Contour protection to co-channel, first, and second adjacent channels is shown herein and is 100%. There are no third adjacent channels located close to the proposed facilities. The application meets the requirements of Sec. 73.507, c regarding all existing commercial facilities.

**WGES MINOR MODIFICATION
OF CONSTRUCTION PERMIT
Co-Channel Channel Study**



**WGES MINOR MODIFICATION
OF CONSTRUCTION PERMIT
1st Adjacent Channel Study**

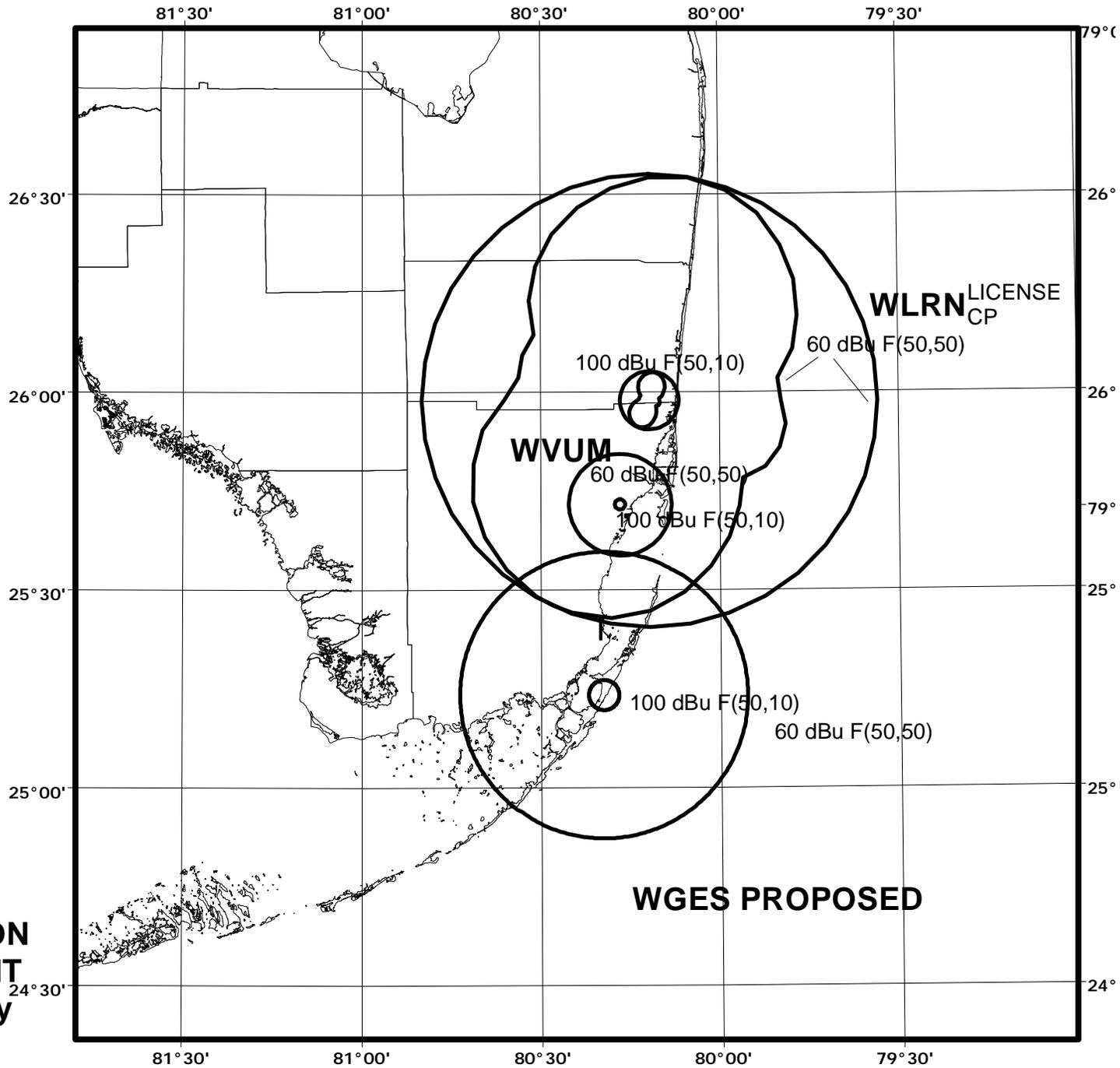


WXEL
LICENSE
APP
MOD CP

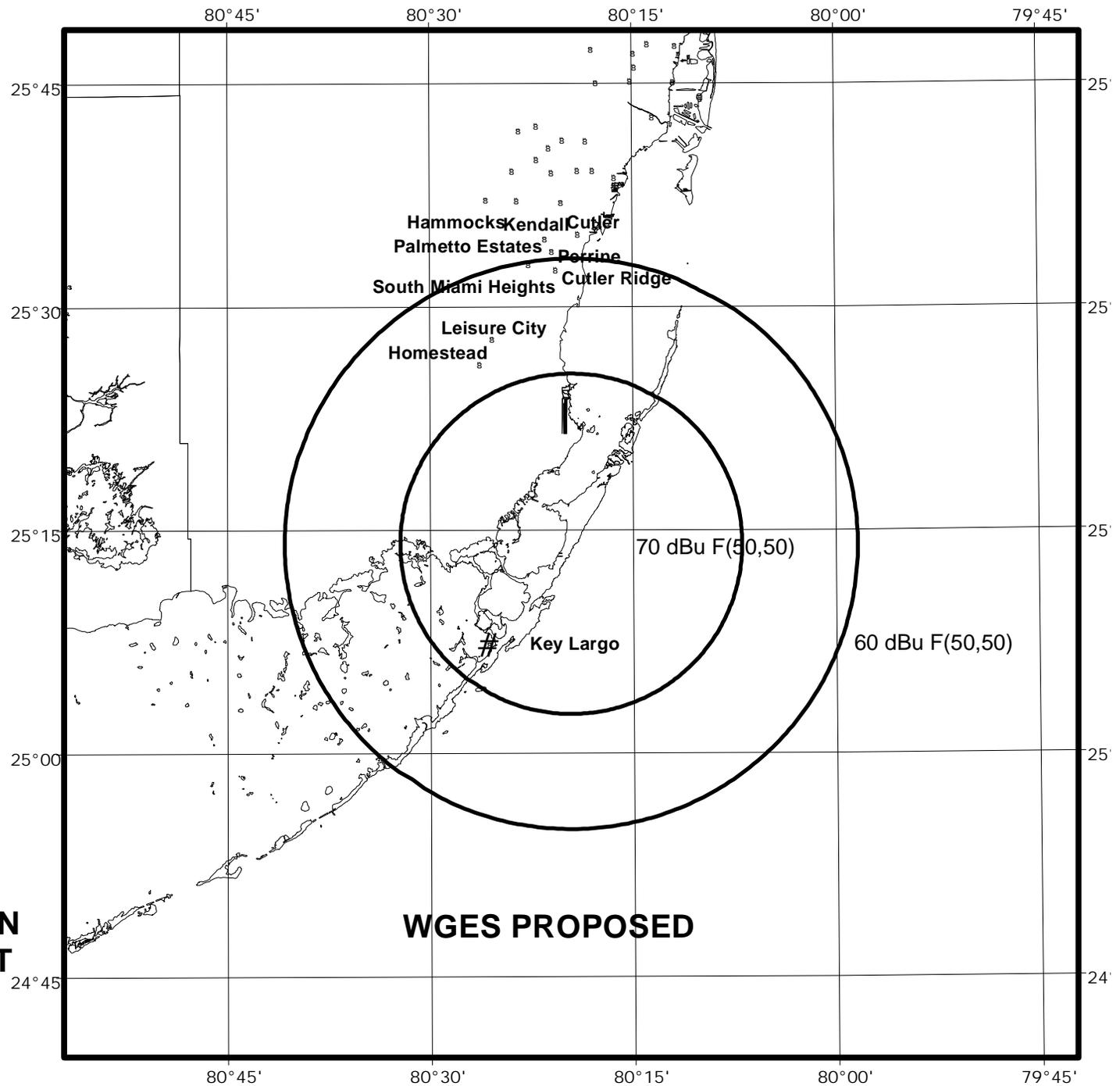
WGES PROPOSED

0 100 200 Kilometers

**WGES MINOR MODIFICATION
OF CONSTRUCTION PERMIT
2nd Adjacent Channel Study**



**WGES MINOR MODIFICATION
OF CONSTRUCTION PERMIT
60 & 70 dBu city of
license coverage**



WGES PROPOSED



Genesis Broadcasting Network Corporation
Technical Exhibits in Support of Minor Modification of Construction Permit
for WGES

Blanketing Interference and Other Facilities Nearby

The Blanketing Interference Contour for the proposed facility as calculated by the FCC method in Sec. 73.318 is 2.27 km from the base of the tower. No significant population resides within this contour. There is no expected third-order interference as the result of this application, but should any interference occur, the applicant will fully comply with the requirements of Sections 73.315 (b), 73.316 (d), and 73.318.

There are no AM radio stations within 10 km of the proposed facilities.

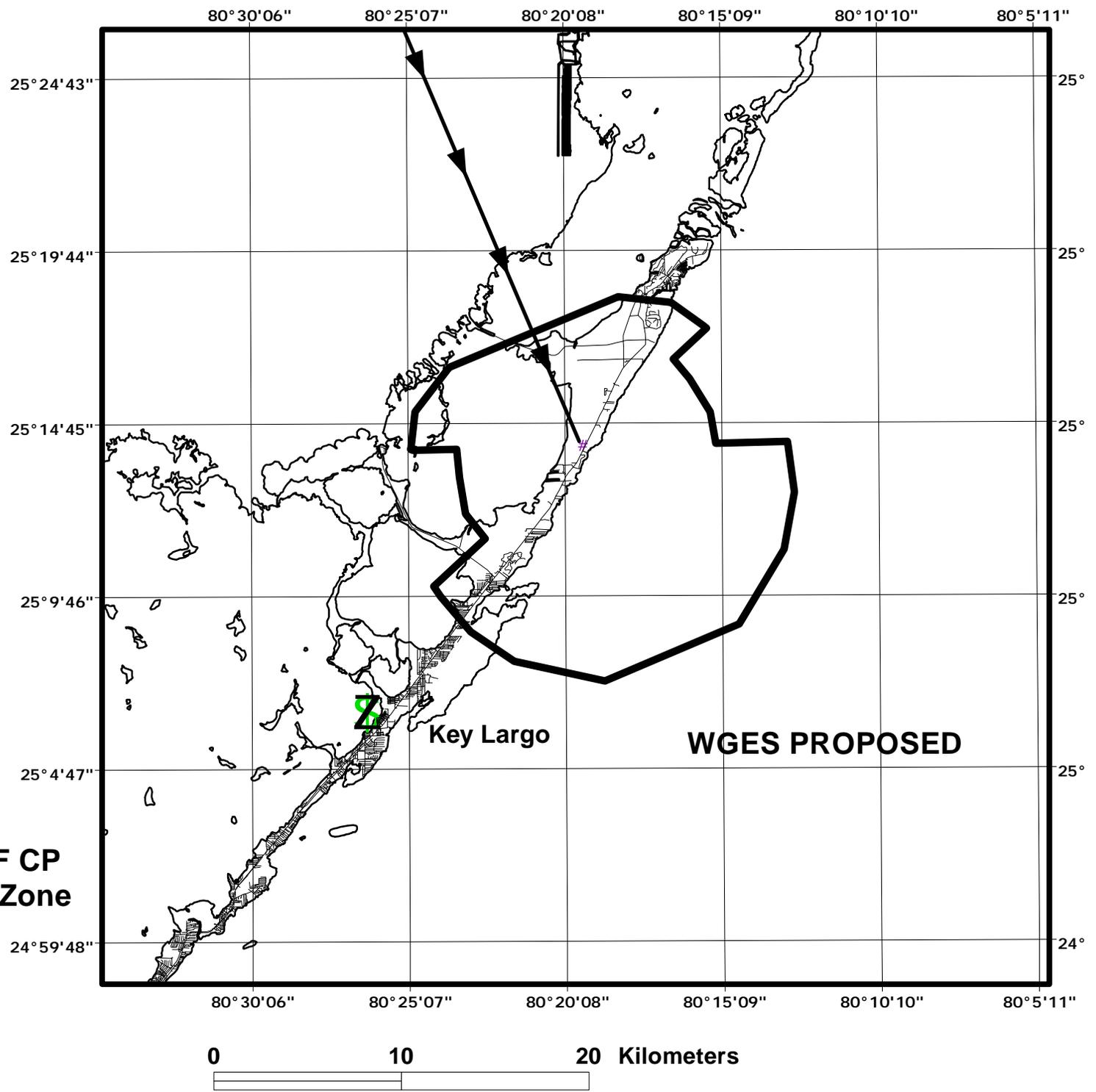
There is one Class-D FM station, W228AY operating on channel 228D with 0.027 kW ERP from the proposed site. There is one proposed NCE FM station (WMKL) proposed to operate on channel 219C2 with 50.0 kW ERP from the proposed site.

There are no television stations within 10 km of the proposed facilities.

TV channel 6 interference zone determined as per section 73.525(e).

2002 Census Population: 2,223 persons

**WGES
MINOR MODIFICATION OF CP
TV Channel 6 Interference Zone
(Section 73.525)**



Technical Exhibits in Support of Minor Modification of Construction Permit
for WGES

Channel 6 Interference

Interference to TV Channel 6, WTVJ-TV, Miami, is minimal as a result of the placement of the proposed station and the distance from WTVJ and will potentially effect less than 2,223 persons, less than the 3,000 person minimum, and is fully compliant with Sec. 73.525 of the rules. The results of this study are shown on the map and table included in this exhibit.

**Certification in regard to Section 73.525(b)(4) written notice to Channel
6 WTVJ**

I, Edwin L. Ortiz, President of Genesis Broadcasting Network Corporation, have given early written notice of the proposed Minor Modification of Construction Permit of WGES facilities to all affected channel 6 stations.

Date: _____

Genesis Broadcasting Network Corporation

By: _____

Edwin L. Ortiz
President
Genesis Broadcasting Network Corporation

Technical Exhibits in Support of Minor Modification of Construction Permit
for WGES

Rf Radiation Compliance

The Rules require that an addition to any multiple use site must not contribute non-ionizing RF Radiation in excess of the TOTAL limits for each class of service in either of the two selected environments.

W228AY operates at 0.027 kW with its antenna located at 91 meters above ground level. W228AY contributes a maximum of 0.00013 microwatts per square centimeter at 2 meters above ground level which occurs at 48 meters from the base of the tower. Thus, this amount is 0.013% of the controlled environment and 0.065% of the uncontrolled environment limit.

WMKL-FM (CP) is proposed to operate at 50 kW with its antenna located at 91 meters above ground level. A 5-bay Shively 6810 Series antenna is proposed. As such, WMKL would contribute a maximum of 0.024 microwatts per square centimeter at 2 meters above ground level which occurs at 37 meters from the base of the tower. Thus, this amount is 2.4% of the controlled environment and 12% of the uncontrolled environment limit.

WGES-FM (Proposed) is proposed to operate at 33 kW with its antenna located at 91 meters above ground level. A 5-bay Shively 6810 Series antenna is proposed. As such, WGES would contribute a maximum of 0.017 microwatts per square centimeter at 2 meters above ground level which occurs at 37 meters from the base of the tower. Thus, this amount is 1.6% of the controlled environment and 8% of the uncontrolled environment limit.

Thus, considering all current and proposed facilities operating from the proposed site, WGES's addition would bring the total radiation in the controlled environment to 4.013% of the ANSI limit while the total radiation in the uncontrolled environment would be 20.1% of the ANSI limit which occurs at 37 meters from the base of the tower. This tower is fenced both at the base and within a much larger fence around the property (approximately 100 meters from the tower) where the tower is located. Therefore, this proposal is fully compliant with the provisions of OST Bulletin #65 as recently amended.

The contributions of these facilities were calculated using FM-Model from OET. The EPA Dipole antenna (worst case) was used for W228AY. However, in the cases of WMKL and WGES, the Shively 6800 Series 5-bay model was used.

Further to the requirements and intentions of the FCC, WGES will post appropriate signs at entrances to the property, on the walls and doors of buildings containing transmitters, and on fences warning the public and workers of the potential hazard.

WGES will require that the power to the antenna be reduced as necessary to accommodate workers or will discontinue operation, if necessary, for this purpose.

Declaration of Edwin L. Ortiz

I, Edwin L. Ortiz, President of Genesis Broadcasting Network Corporation, have read the Application and do declare under penalty of perjury that all of the statements made in the Application are true and accurate to the best of my knowledge.

Date: _____

Genesis Broadcasting Network Corporation

By: _____

Edwin L. Ortiz
President
Genesis Broadcasting Network Corporation