

ROOM 363

FCC MAIL SECTION
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

JAN 25 2 42 PM '94

JAN 12 1994

IN REPLY REFER TO:
8910-JAV
STOP CODE 1800B2

DISPATCHED BY

South Florida Radio, Inc.
Radio Station WLVJ (AM)
1601 Belvedere Road, Suite 204 East
West Palm Beach, FL 33406

In re: South Florida Radio, Inc.
WLVJ (AM, West Palm Beach, FL
Request of Special Temporary
Authority

Gentlemen:

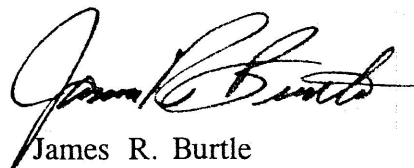
This is in reference to the recently submitted proof-of-performance date December 12, 1993 in connection with the above-captioned request for a special temporary authority to overcome Cuban interference.

By letter date October 1, 1992, the Commission granted a special temporary authority (STA) to operate on a frequency of 640 kHz with a power of 25.0 kW day and 4.5 kW night employing a directional antenna contingent upon the filing of a satisfactory full proof of performance on the proposed directional operation.

Having fulfilled that condition, operation pursuant to the STA may now be commenced with the directional antenna system adjusted in accordance with the enclosed tentative specifications. It is requested that you check the values of field strength of the monitor points at least once monthly.

Please advise this office of any discrepancies noted in the enclosed tentative specifications.

Sincerely,



James R. Burtle
Chief, AM Branch
Audio Services Division
Mass Media Bureau

cc: James P. Riley

SPECIAL TEMPORARY AUTHORITY

SPECS. FOR DIRECTIONAL OPERATION OF: WLVI, West Palm Beach, FL

FREQ: 640 kHz

Nominal Power: 25.0 kW, DA-2-U

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two (2), vertical, guyed, series-excited steel radiators of uniform cross section. Theoretical RMS: 1465.10 mV/m/km. Standard RMS: 1539.36 mV/m/km. $Q = 27.918$, Daytime.

Height above Insulators: 76.2 m (58.5°) with 9.75 m (7.5°) of top loading

Overall Height: 78 m

Spacing and Orientation: Two towers spaced 49.94° apart on a line bearing 151° True.

Non-Directional Antenna: None Authorized

Ground System consists of 120 equally spaced, buried, copper radials about each tower 115.8 m in length except where intersecting radials are shortened and bonded or terminated by property boundaries.

2. THEORETICAL SPECIFICATIONS

| | Tower | N(#1) | S(#2) |
|---------------------|-------|-------|---------|
| Phasing: | Day | 0° | -133.9° |
| Field Ratio: | Day | 1.00 | 0.98 |

3. OPERATING SPECIFICATIONS

| | | | |
|--|-----|------|---------|
| Phase Indication*: | Day | 0.0° | -134.0° |
| Antenna Base Current Ratio: | Day | 1.0 | 1.0 |
| Antenna Monitor Sample Current Ratio: | Day | 1.0 | 1.0 |

* As indicated by Potomac Instruments AM-19 (204) antenna Monitor.

Antenna sampling system approved under Section 73.68(b) rules.

DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 308.5° True North. From the Wlvj transmitter site, proceed East on Cole Road to 200 road. Turn left on Santa Rosa Road, proceed 0.9 mile to 208 road. Turn left on 208 road, proceed 0.2 mile. The reading is taken near the three palm trees. The field intensity measured at this point should not exceed 33.35 mV/m.

Direction of 331° True North. From point #1 (308.5°) proceed back to Santa Rosa Road. Turn right and proceed 0.2 miles. The reading is taken by a bush on the north side of the road. The field intensity measured at this point should not exceed 108.10 mV/m.

Direction of 353.5° True North. Leaving the 331° MP, proceed East on Santa Rosa Road for 0.3 miles. The monitoring point is located beside the survey marker. The field intensity measured at this point should not exceed 26.35 mV/m.