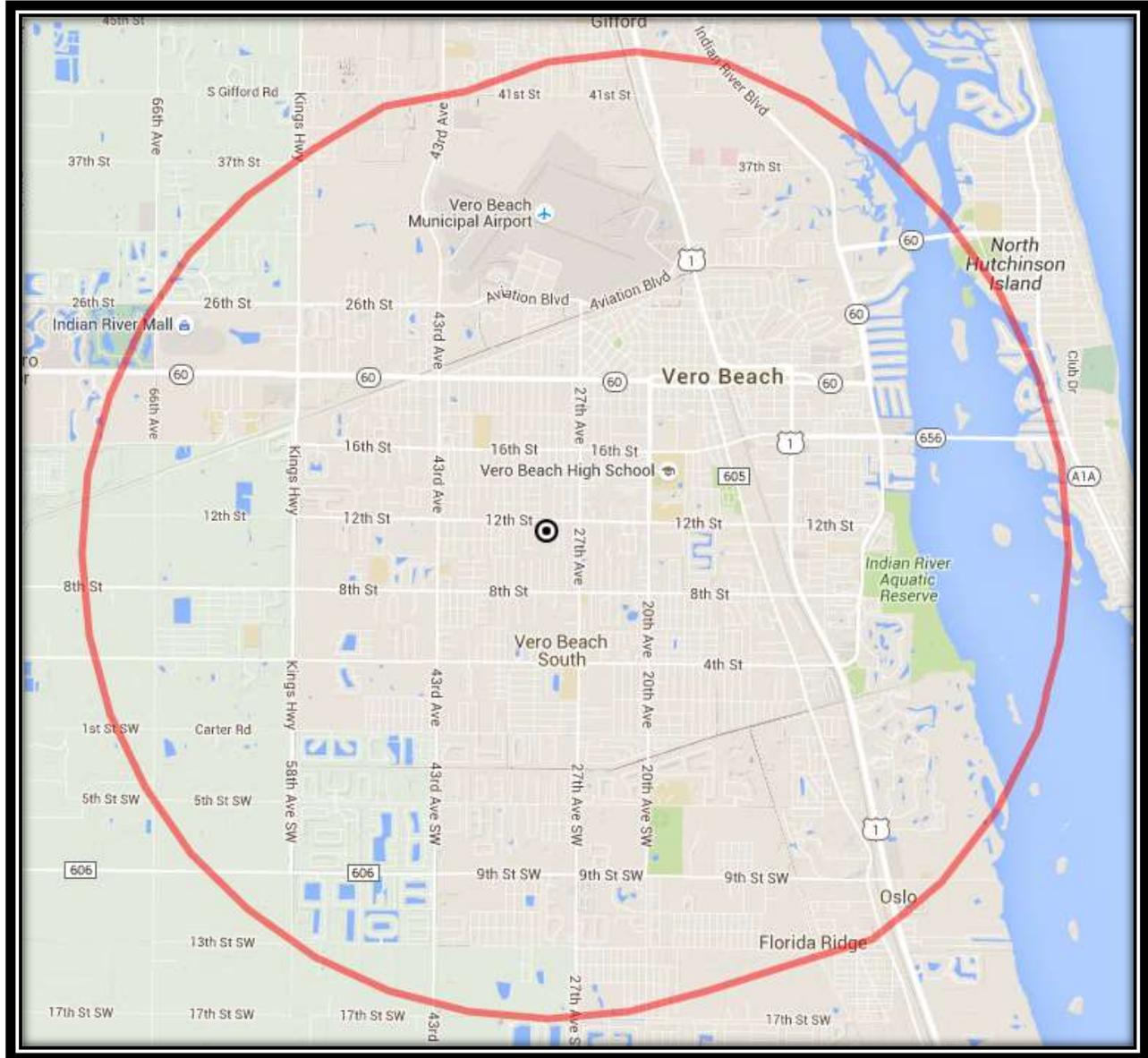




REC Broadcast Services, LLC
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CP modification for **WVRO-LP**
VERO BEACH, FL
FLOWING STREAMS CHURCH
BNPL-20131105AGF

PROPOSED 60dBu F(50,50) SERVICE CONTOUR



VERO BEACH, FL – Channel 287L1 (105.3 MHz) ~ ERP 0.049 kW
Elev: 7 meters ~ RCAGL: 42 meters ~ RCAMSL: 49 meters ~ HAAT: 43 meters
HAAT based on FCC 30-second terrain database. Applicant requesting ERP shown.
Overall tower height: 49.7 meters – ASR: 1239136 (coordinates based on ASR)
NAD83 Latitude: 27° 37' 13.1" NL – Longitude: 80° 25' 00.2" WL
NAD27 Latitude: 27° 37' 12.0" NL – Longitude: 80° 25' 01.0" WL

R E C NETWORKS
CHANNEL REPORT

NAD27 LATITUDE: 27 - 37' 12.0" - LONGITUDE: 80 - 25' 01.0"
CHANNEL: 287 - CLASS: LPFM(LP-100)

| CHAN | FREQ | CALL | LOCATION | CLS | DIST | REQ | CLEAR | BEAR |
|------|-------|--|-----------------|-------|-------|-------|-------|-------|
| 234 | 94.7 | WPHR-FM : R&S RADIO LLC | GIFFORD | FL C2 | 8.6 | 0.0 | 8.6 | 146.7 |
| 234 | 94.7 | WPHR-FM : R&S RADIO LLC | GIFFORD | FL C2 | 9.5 | 0.0 | 9.5 | 150.1 |
| 284 | 104.7 | WSGL : RENDA BROADCASTING CORPORATION OF NEVADA | NAPLES | FL C2 | 210.2 | 0.0 | 210.2 | 218.1 |
| 284 | 104.7 | WFLM : MIDWAY BROADCASTING COMPANY * Does not meet third adjacent channel spacing under LCRA Sect 7. | WHITE CITY | FL C3 | 20.8 | 0.0 | 20.8 | 169.4 |
| 284 | 104.7 | W284BO : RADIO 74 INTERNATIONALE | LAKE PLACID | FL D | 99.9 | 0.0 | 99.9 | 250.6 |
| 284 | 104.7 | WRBQ-FM : WXTU LICENSE LIMITED PARTNERSHIP | TAMPA | FL C1 | 198.6 | 0.0 | 198.6 | 280.4 |
| 284 | 104.7 | W284CE : EDGEWATER BROADCASTING, INC. | MERRITT ISLAND | FL D | 88.2 | 0.0 | 88.2 | 336.6 |
| 286 | 105.1 | WOMX-FM : CBS RADIO STATIONS INC. | ORLANDO | FL C | 124.6 | 120.0 | 4.6 | 328.9 |
| 286 | 105.1 | WHQT : COX RADIO, INC. | CORAL GABLES | FL C0 | 184.3 | 111.0 | 73.3 | 173.6 |
| 287 | 105.3 | WZSP : SOLMART MEDIA, LLC | NOCATEE | FL A | 159.0 | 67.0 | 92.0 | 252.5 |
| 287 | 105.3 | WVRO-LP : FLOWING STREAMS CHURCH : Currently authorized facility | VERO BEACH | FL L1 | 5.1 | 24.0 | -18.9 | 289.3 |
| 288 | 105.5 | WOLL : CLEAR CHANNEL BROADCASTING LICENSES, INC. | HOBE SOUND | FL C2 | 100.8 | 80.0 | 20.8 | 160.6 |
| 288 | 105.5 | W288CG : EDGEWATER BROADCASTING, INC. | MELBOURNE | FL D | 76.6 | 21.0 | 55.6 | 339.1 |
| 289 | 105.7 | WWLL : COHAN RADIO GROUP, INC. | SEBRING | FL C3 | 108.3 | 40.0 | 68.3 | 254.5 |
| 290 | 105.9 | WBGG-FM : CLEAR CHANNEL BROADCASTING LICENSES, INC. | FORT LAUDERDALE | FL C0 | 181.9 | 0.0 | 181.9 | 172.4 |
| 290 | 105.9 | WBOF-LP : FAITH BAPTIST CHURCH OF FORT PIERCE, FLORIDA, INC. | FORT PIERCE | FL L1 | 40.4 | 0.0 | 40.4 | 161.5 |
| 290 | 105.9 | WOCL : CBS RADIO STATIONS INC. | DELAND | FL C | 169.0 | 0.0 | 169.0 | 328.7 |
| 290 | 105.9 | WTZB : CITICASTERS LICENSES, INC. | ENGLEWOOD | FL C3 | 204.3 | 0.0 | 204.3 | 254.1 |

AM TOWER CO-LOCATION

WVRO-LP
Vero Beach, FL
Channel 287L1 (105.3 MHz)

The proposed modification for WVRO-LP will result in the proposed antenna being placed on the tower of WTTB, Vero Beach, Florida (Facility ID #58947).

WTTB is a non-directional single-tower AM station operating 1 kW unlimited hours with the same constants day and night.

WVRO-LP has reached a pending agreement with WTTB and is coordinating this application with their engineering and management.

WTTB has already performed a structural analysis and frequency match on the antenna placement.

WVRO-LP acknowledges §1.30003 of the Commission's Rules that states that when an antenna is installed on a non-directional AM tower, the AM station shall determine operating power by indirect method per §73.51 of the Rules. If the resistance of the antenna changes by more than 2 percent, then WTTB must file a Form 302-AM which includes a tower sketch at the same time when WVRO-LP files Form 319 to cover the construction.

WVRO-LP acknowledges there will be a condition placed on the construction permit as such and will provide appropriate certification after completion of construction in coordination with WTTB.

Prepared by

Michelle Bradley
REC Broadcast Services
September 10, 2015

| Registration Detail | | | |
|--|---|--|--------------------|
| Reg Number | 1239130 | Status | Constructed |
| File Number | A0327969 | Constructed | 06/01/1979 |
| EMI | No | Dismantled | |
| NEPA | No | | |
| Antenna Structure | | | |
| Structure Type | TOWER - Free standing or Guyed Structure used for Commu | | |
| Location (in NAD83 Coordinates - Convert to NAD03) | | | |
| Lat/Long | 27-37-13.1 N 080-25-00.2 W | Address | End of 29th Avenue |
| City, State | Vero Beach , FL | | |
| Zip | 32960 | County | INDIAN RIVER |
| Center of AM Array | | Position of Tower in Array | |
| Heights (meters) | | | |
| Elevation of Site Above Mean Sea Level | | Overall Height Above Ground (AGL) | |
| 7.6 | | 49.7 | |
| Overall Height Above Mean Sea Level | | Overall Height Above Ground w/o Appurtenances | |
| 57.3 | | 49.7 | |
| Painting and Lighting Specifications | | | |
| None | | | |
| FAA Notification | | | |
| FAA Study | 2003-ASO-1478-OE | FAA Issue Date | 06/02/2003 |
| Owner & Contact Information | | | |
| FIRN | 0004984696 | Owner Entity Type | |
| Owner | | | |
| Vero Beach Broadcasters, LLC Attention To: Mitch Rubinstein 2255 Glades Road Suite 237W Boca Raton , FL 33431 | | P: (561)998-8000 F: E: | |
| Contact | | | |
| Matheny , Marilyn P.O. Box 24466 St. Simons Island , GA 31522-7466 | | P: (912)638-8028 F: E: marilyn@grahambrock.com | |
| Last Action Status | | | |
| Status | Constructed | Received | 06/09/2003 |
| Purpose | Notification | Entered | 06/09/2003 |

Input Data

Latitude 27° 37' 13.1" North
Longitude 80° 25' 0.2" West (NAD 83)

These coordinates convert to NAD 27 coordinates of
27° 37' 11.98", North, 80° 25' 01.01" West (NAD 27).

Height of antenna radiation center above mean sea level: **49 meters AMSL**

Number of Evenly Spaced Radials = **8** 0° is referenced to True North

Results

Calculated HAAT = **43 meters**

Antenna Height Above Average Terrain calculated
using FCC 30 second terrain database (continental USA only)

Individual "Radial HAAT" Values, in meters

| | |
|------|--------|
| 0° | 43.5 m |
| 45° | 49.0 m |
| 90° | 49.0 m |
| 135° | 47.2 m |
| 180° | 39.0 m |
| 225° | 39.0 m |
| 270° | 39.0 m |
| 315° | 39.0 m |