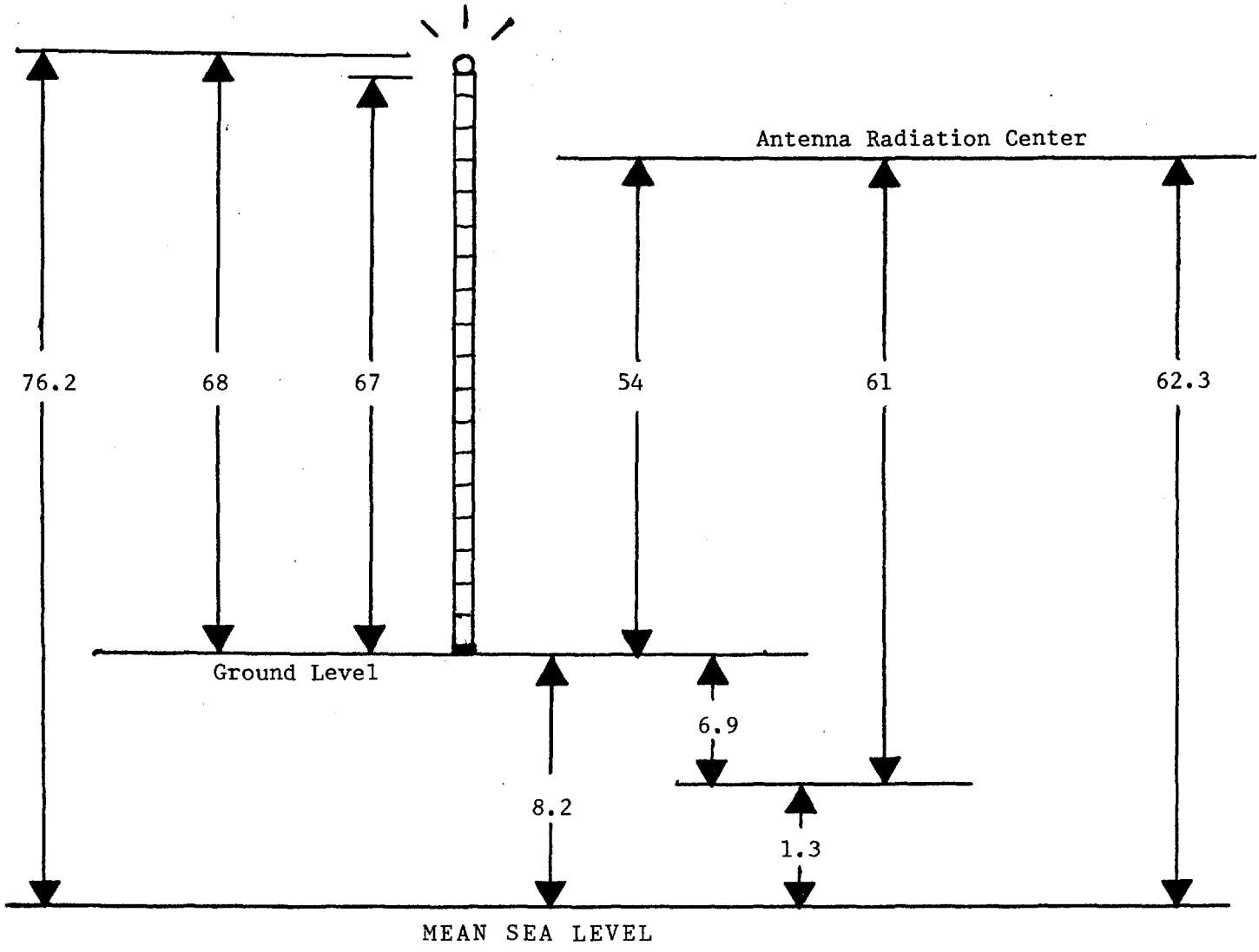
Palm Bay Public Radio, Inc.
Channel 203; .5KW at Mims, Florida

EXHIBIT 3
November, 1989

-Vertical Plan
-Not drawn to scale
-All figures are meters
-steel skeletal guyed existing tower



BLANKETING INTERFERENCE

Exhibit 4

FCC Form 340
Section V-B, Item 12

Palm Bay Public Radio, Inc.
Channel 203 at Mims, Florida

The relatively low power output of the facility will "blanket" a very small area around the ttower site. The site is in a rural area located on a 20 acre mini-ranch. The blanketing area extends .28 km out from the transmitter in all directions. The applicant will assume the financial load of removing all interference due to blanketing. Traps, filters, and other methods will be employed to accomplish this removal.

FLORIDA
7.5 MINUTE SERIES (TOPOGRAPHIC)

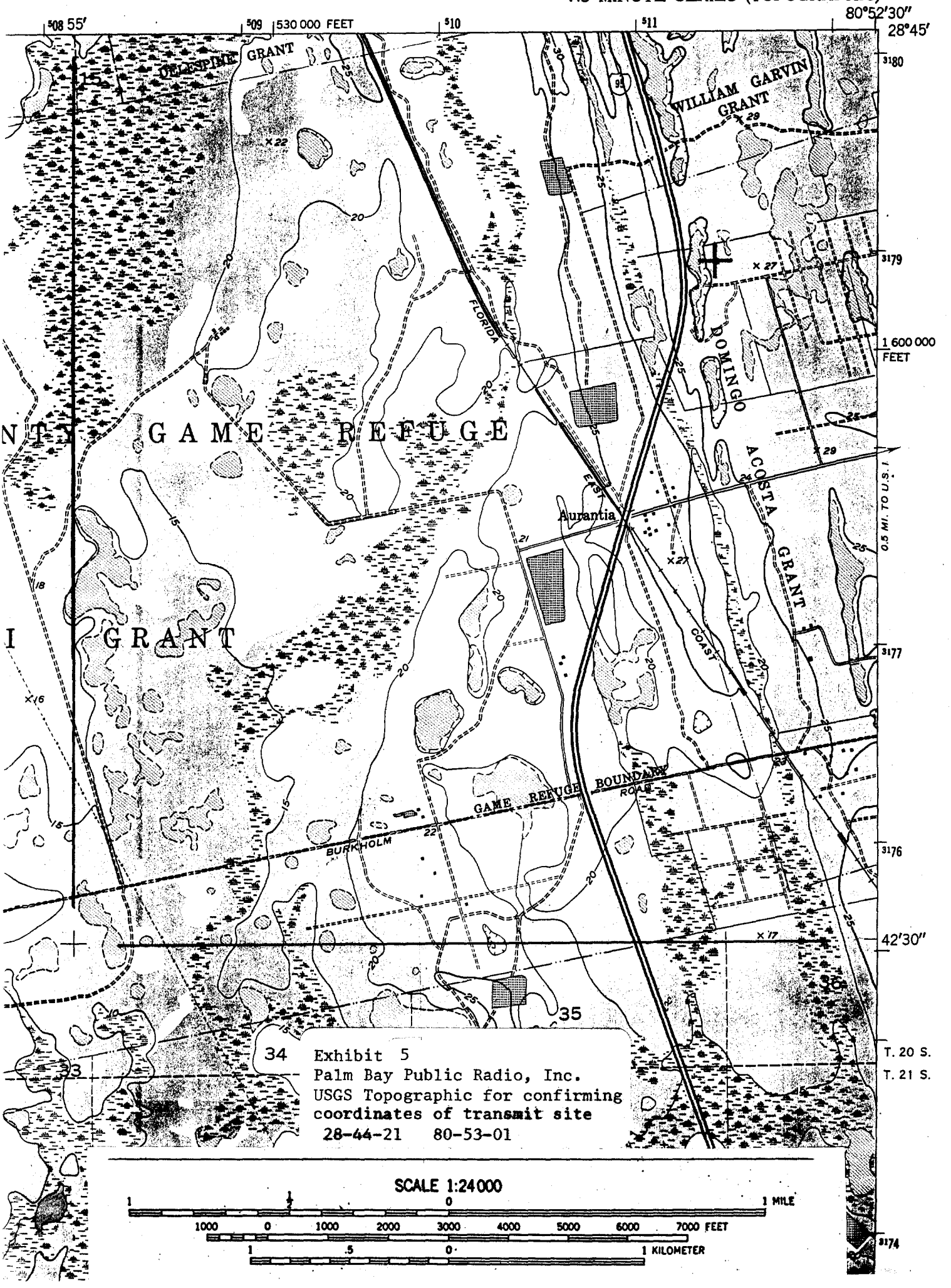


Exhibit 5
Palm Bay Public Radio, Inc.
USGS Topographic for confirming
coordinates of transmit site
28-44-21 80-53-01

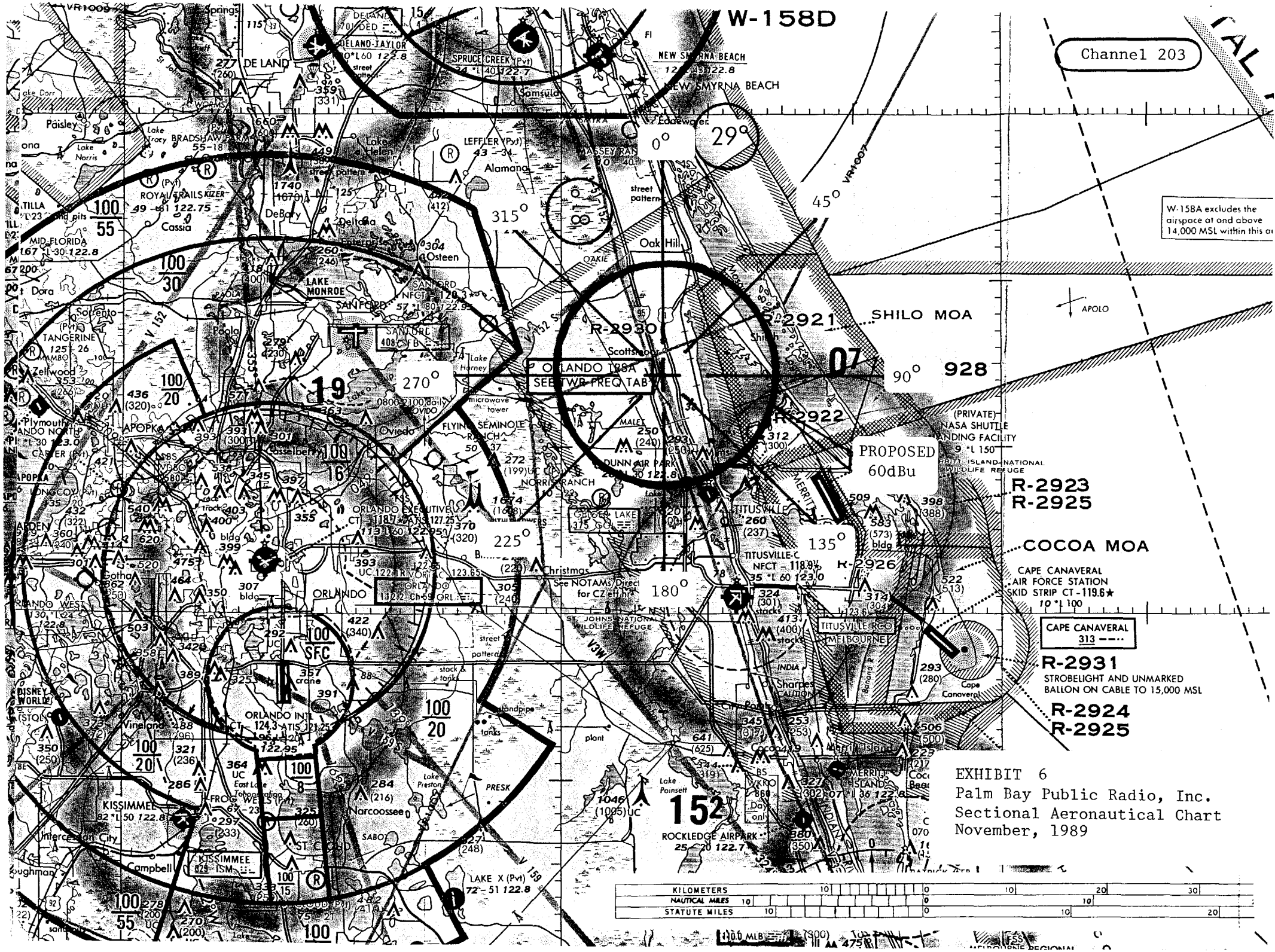


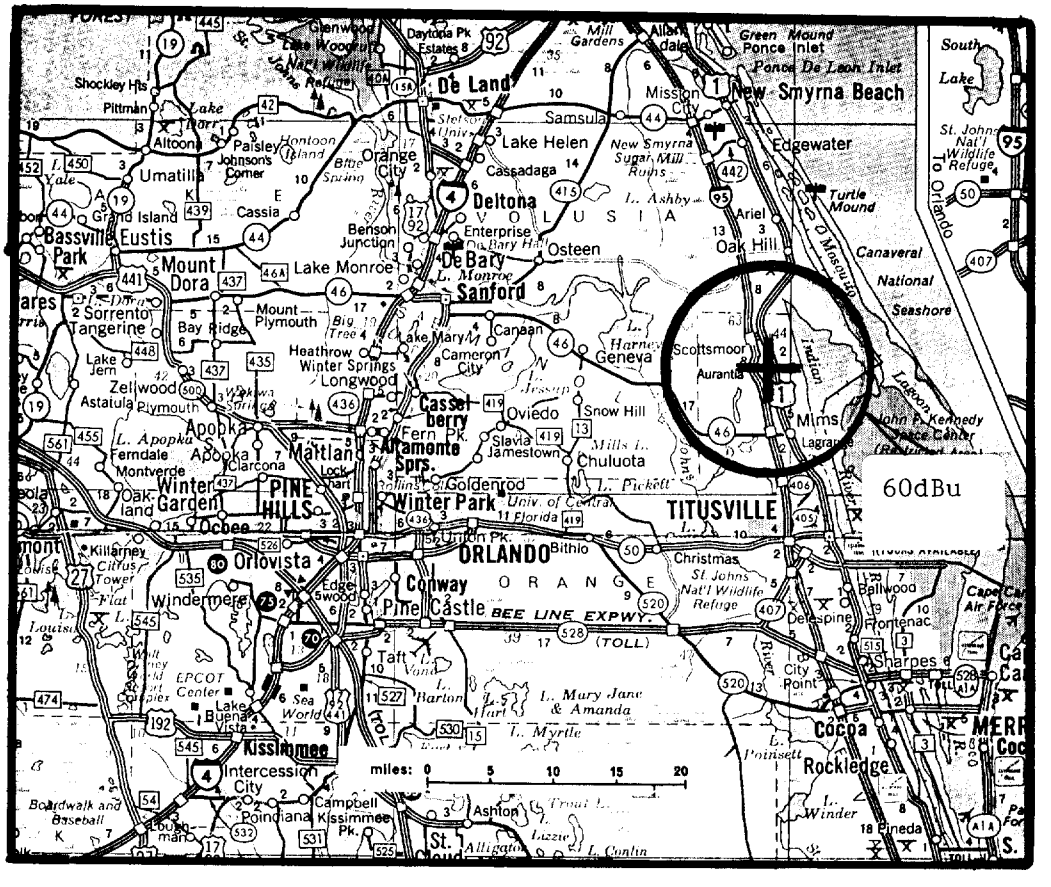
EXHIBIT 6
Palm Bay Public Radio, Inc.
Sectional Aeronautical Chart
November, 1989

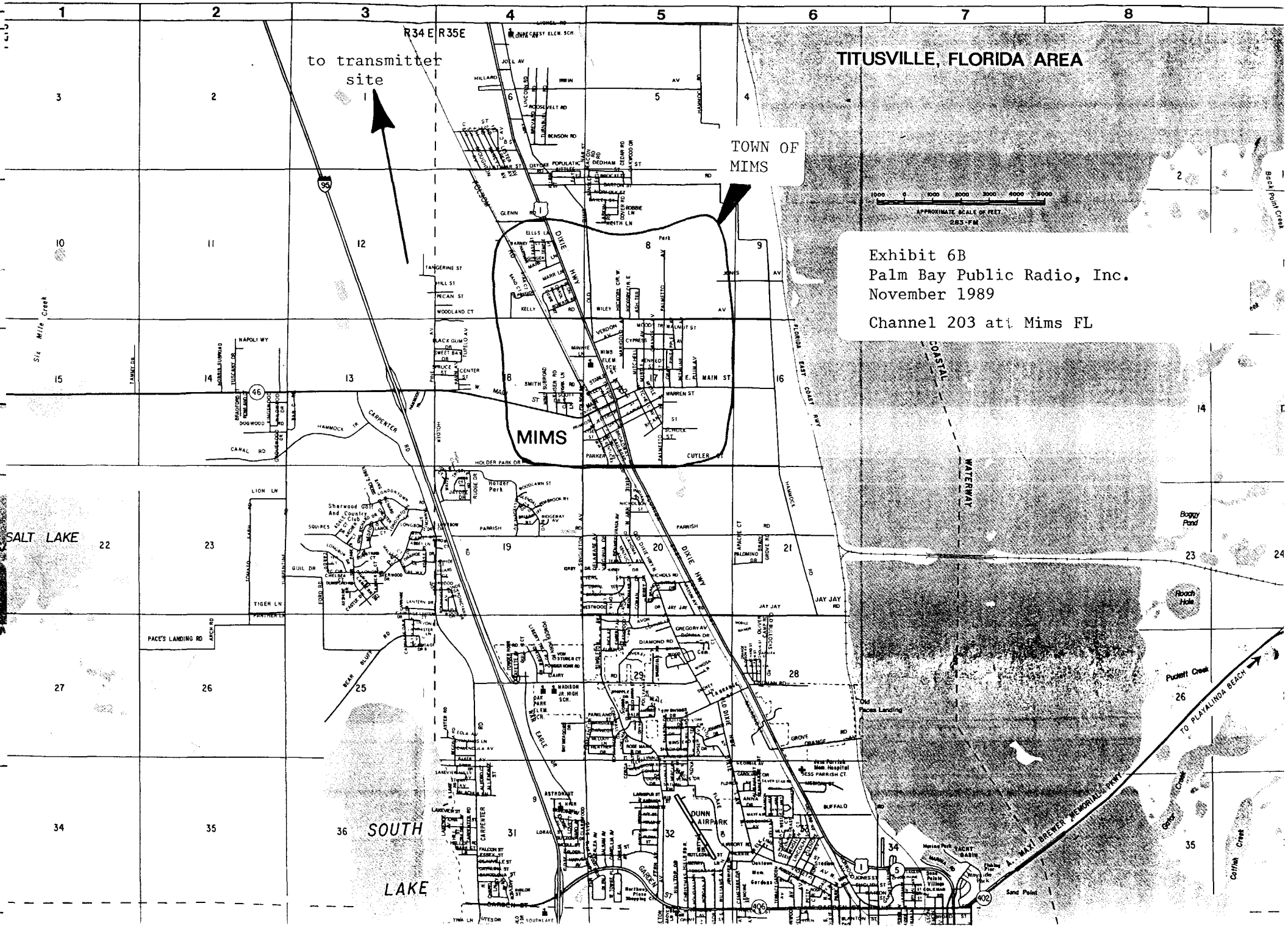
Exhibit 6A

Palm Bay Public Radio, Inc.
Channel 203 at Mims, Florida
November, 1989

Form 340, Section V-B, Item 14 requests a showing of the legal boundries of the community of license, and its relationship to the 60dBu (1mV/m) contour.

Mims, Florida is an unincorporated community with a Post Office that serves 7,583 persons. With no legal city limits to show the Commission, a perspective of the community can be seen from viewing a highway map, and a street map. These are Exhibits 6A and 6B respectively.

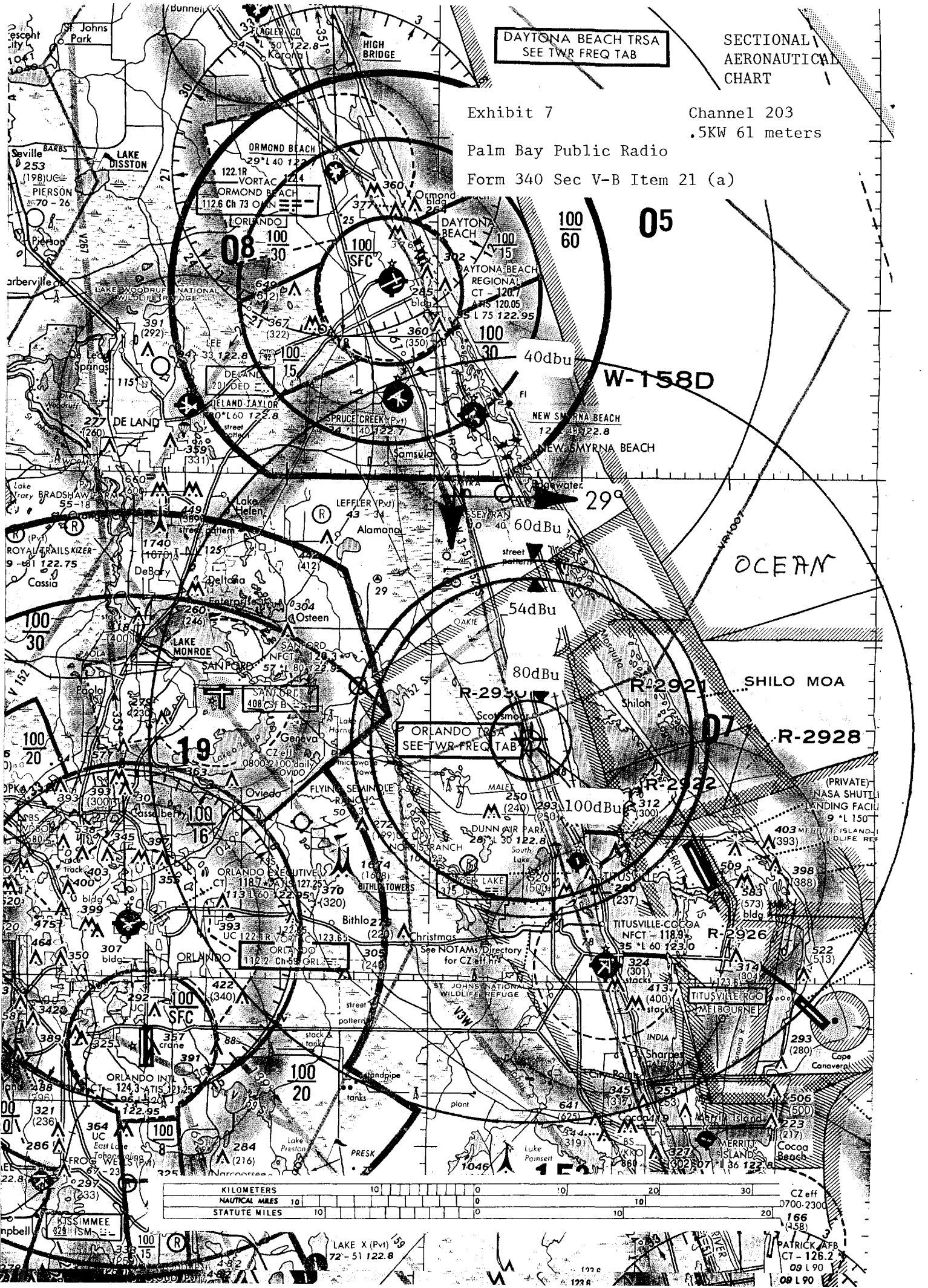



TITUSVILLE, FLORIDA AREA
to transmitter site
TOWN OF MIMS
MIMS
R34 E R35E
SALT LAKE
SOUTH LAKE
DIXIE HWY
FLORIDA EAST COAST RWY
COASTAL WATERWAY
DUNN AIRPARK
TO PLAYALINDA BEACH
A. MAXI BREWER MEMORIAL PKWY
APPROXIMATE SCALE IN FEET
Exhibit 6B
Palm Bay Public Radio, Inc.
November 1989
Channel 203 at Mims FL

THE PROPOSAL OF THIS APPLICATION AFFORDS ELECTRICAL PROTECTION TO AND FROM ALL EXISTING STATIONS AND AUTHORIZATIONS. PROTECTION FROM WMNF, HOWEVER, IS CLOSE ENOUGH TO WARRANT ILLUSTRATION ON THE AERO CHART, INCLUDED AS A PART OF THIS EXHIBIT.

```
Title: NEWMIMS                                                    Latitude:  28-44-21
Channel 203A  ( 88.5 MHz) ERP:  .50 kW; EAH:   61 m              Longitude:  80-53-01
Database: FCC L=25/89                                            Safety zone:   10 km

Call     Auth Licensee name              Chan ERP-kW  Latitude Br-to  Dist. Req.
City of License        St FCC File no.   Freq EAH-m  Longitude -from  (km)  (km)
=================================================================================

WHIJ     CP   Marion Community Radio,   *201A  1.25   29-14-17 295.0 132.7 25.44
Ocala                 FL BPED-870922MR  88.1  120    82-07-17 114.4 107.3 CLEAR
Vertical Polarization Only; Cut-off 06/21/88
 Proposed F(50,50)    80 dBu = 3.893 km; WHIJ      F(50,50)    60 dBu = 21.55 km
 Proposed F(50,50)    60 dBu = 12.12 km; WHIJ      F(50,50)    80 dBu = 6.780 km

NEW      APC  Central Florida Educatio *202C2 1.90   28-36-08 233.4 25.53 55.08
Union Park            FL 881207MA       88.3  183    81-05-37  53.3 -29.6 SHORT
 Proposed F(50,10)    54 dBu = 17.70 km; NEW       F(50,50)    60 dBu = 28.52 km
 Proposed F(50,50)    60 dBu = 12.12 km; NEW       F(50,10)    54 dBu = 42.96 km

NEW      APC  Victory Christian Academ *203A     1DA 28-02-54 165.1 79.21 52.33
Palm Bay              FL 881101MA       88.5   30    80-40-34 345.2 26.89 CLEAR
Amended 881101
 Proposed F(50,10)    40 dBu = 42.08 km; NEW       F(50,50)    60 dBu = 10.25 km
 Proposed F(50,50)    60 dBu = 12.12 km; NEW       F(50,10)    40 dBu = 35.95 km

WMNF     LIC  The Nathan B Stubblefiel *203C1   70   27-49-04 232.7 167.9 158.7
Tampa                 FL BMLED-860514K  88.5  158    82-14-31  52.1 9.160 CLOSE
 Proposed F(50,10)    40 dBu = 42.08 km; WMNF      F(50,50)    60 dBu = 56.22 km
 Proposed F(50,50)    60 dBu = 12.12 km; WMNF      F(50,10)    40 dBu = 146.6 km

WJFR     LIC  Family Stations, Inc.     *204C2    8   30-19-43 336.3 192.9 60.41
Jacksonville          FL BLED-870928KC  88.7  107    81-41-42 155.9 132.5 CLEAR
 Proposed F(50,10)    54 dBu = 17.70 km; WJFR      F(50,50)    60 dBu = 31.23 km
 Proposed F(50,50)    60 dBu = 12.12 km; WJFR      F(50,10)    54 dBu = 48.29 km

WPFL     LIC  Winter Park High School   *205D         28-35-02 247.9 45.80 12.26
Winter Park           FL BLED-1276      88.9          81-19-04  67.7 33.54 CLEAR
 Proposed F(50,50)    80 dBu = 3.893 km; WPFL      F(50,50)    60 dBu = 3.179 km
 Proposed F(50,50)    60 dBu = 12.12 km; WPFL      F(50,50)    80 dBu =  .138 km
```

```
Title: NEWMIMS                                                    Latitude:  28-44-21
Channel 203A  ( 88.5 MHz) ERP:  .50 kW; EAH:   61 m              Longitude:  80-53-01

Call     Auth Licensee name              Chan ERP-kW  Latitude Br-to  Dist. Req.
City of License        St FCC File no.   Freq EAH-m  Longitude -from  (km)  (km)
---------------------------------------------------------------------------------

WUFT-FM  LIC  Bd of Regents, State of  *206C1  100   29-42-34 306.7 182.1 67.68
Gainesville           FL BLED-811007AJ  89.1  235    82-23-40 126.0 114.4 CLEAR
 Proposed F(50,50)  100 dBu =  .689 km; WUFT-FM  F(50,50)    60 dBu = 66.99 km
 Proposed F(50,50)   60 dBu = 12.12 km; WUFT-FM  F(50,50)   100 dBu = 8.969 km

WWOJ     ADD  Women In Fla B/C, Inc &   256A         27-35-48 206.1 141.0     8
Avon Park             FL DOC-87-455     99.1         81-30-54  25.8 133.0 CLEAR

ALLOC                                   257C2        28-21-24 160.3 45.03    16
Cocoa                 FL DOC-87-527     99.3         80-43-42 340.4 29.03 CLEAR
SITE RESTRICTED-EFF 10-13-88-RSVD FOR WLRQFM PER D87-527

                    >> End of channel 203A  study <<
```


DAYTONA BEACH TRSA
SEE TWR FREQ TAB
SECTIONAL
AERONAUTICAL
CHART
Exhibit 7
Channel 203
.5KW 61 meters
Palm Bay Public Radio
Form 340 Sec V-B Item 21 (a)
40dbu
60dBu
54dBu
80dBu
100dBu
W-158D
29°
OCEAN
SHILO MOA
R-2921
R-2928
R-2932
R-2930
R-2926
ORLANDO TRSA
SEE TWR FREQ TAB
ORMOND BEACH
DAYTONA BEACH
DAYTONA BEACH REGIONAL
DELAND
DELAND-TAYLOR
SPRUCE CREEK
NEW SMYRNA BEACH
LAKE DISSTON
LAKE WOODRUFF NATIONAL WILDLIFE REFUGE
LAKE MONROE
SANFORD
ORLANDO EXECUTIVE
ORLANDO INTL
TITUSVILLE-COCOA
TITUSVILLE RGO
MELBOURNE
ST JOHNS NATIONAL WILDLIFE REFUGE
KISSIMMEE
PATRICK AFB
KILOMETERS
NAUTICAL MILES
STATUTE MILES

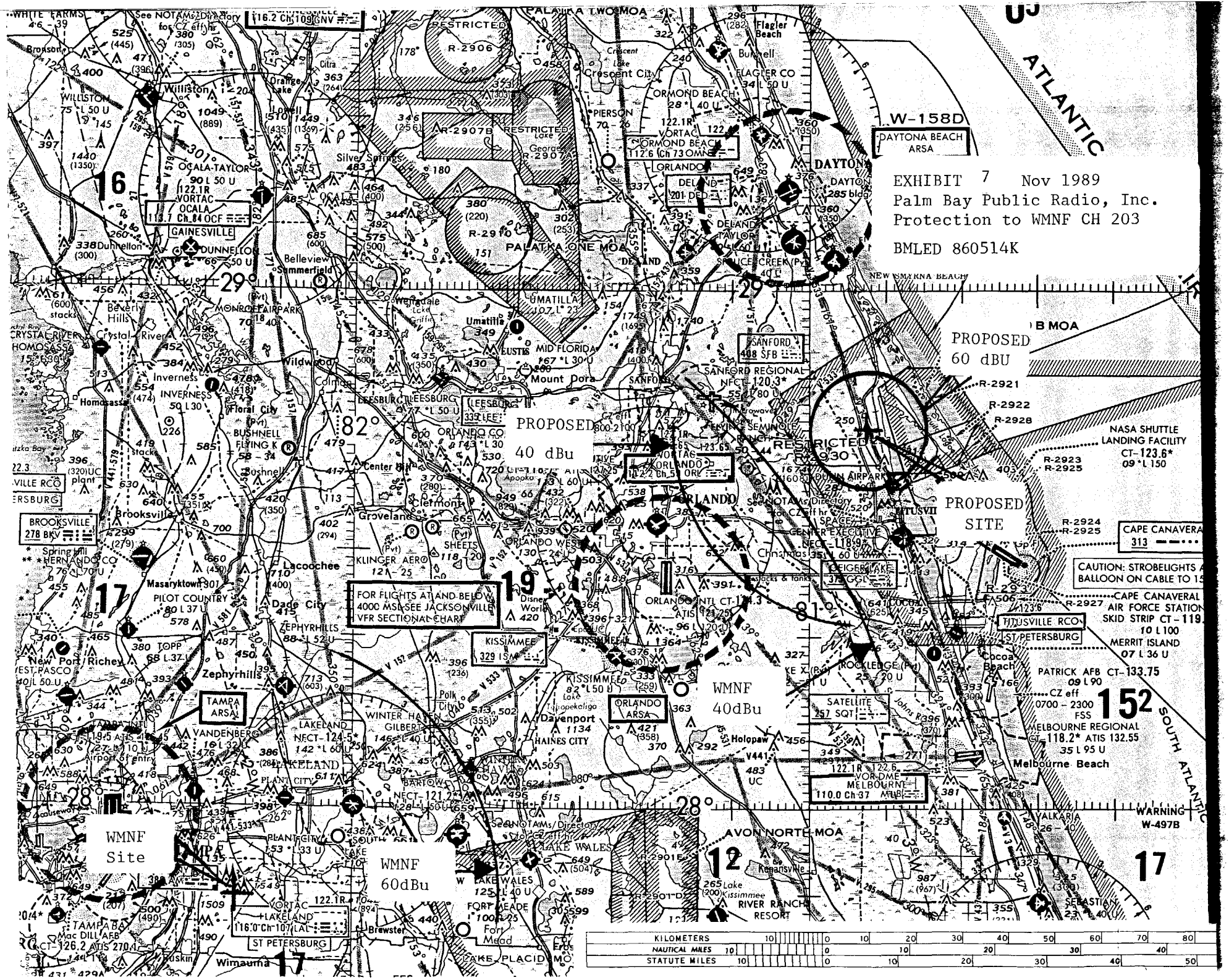


EXHIBIT 7 Nov 1989
Palm Bay Public Radio, Inc.
Protection to WMNF CH 203
BMLED 860514K
PROPOSED 60 dBU
PROPOSED 40 dBu
PROPOSED SITE
WMNF 40dBu
WMNF 60dBu
WMNF Site
ATLANTIC
SOUTH ATLANTIC
W-158D
DAYTONA BEACH ARSA
ORLANDO ARSA
TAMPA ARSA
PALATKA TWO MOA
PALATKA ONE MOA
AVON NORTH MOA
NASA SHUTTLE LANDING FACILITY
CAPE CANAVERAL AIR FORCE STATION
CAUTION: STROBELIGHTS
FOR FLIGHTS AT AND BELOW 4000 MSL SEE JACKSONVILLE VFR SECTIONAL CHART
KILOMETERS
NAUTICAL MILES
STATUTE MILES

ORLANDO

MAP: USGS TOPOGRAPHIC

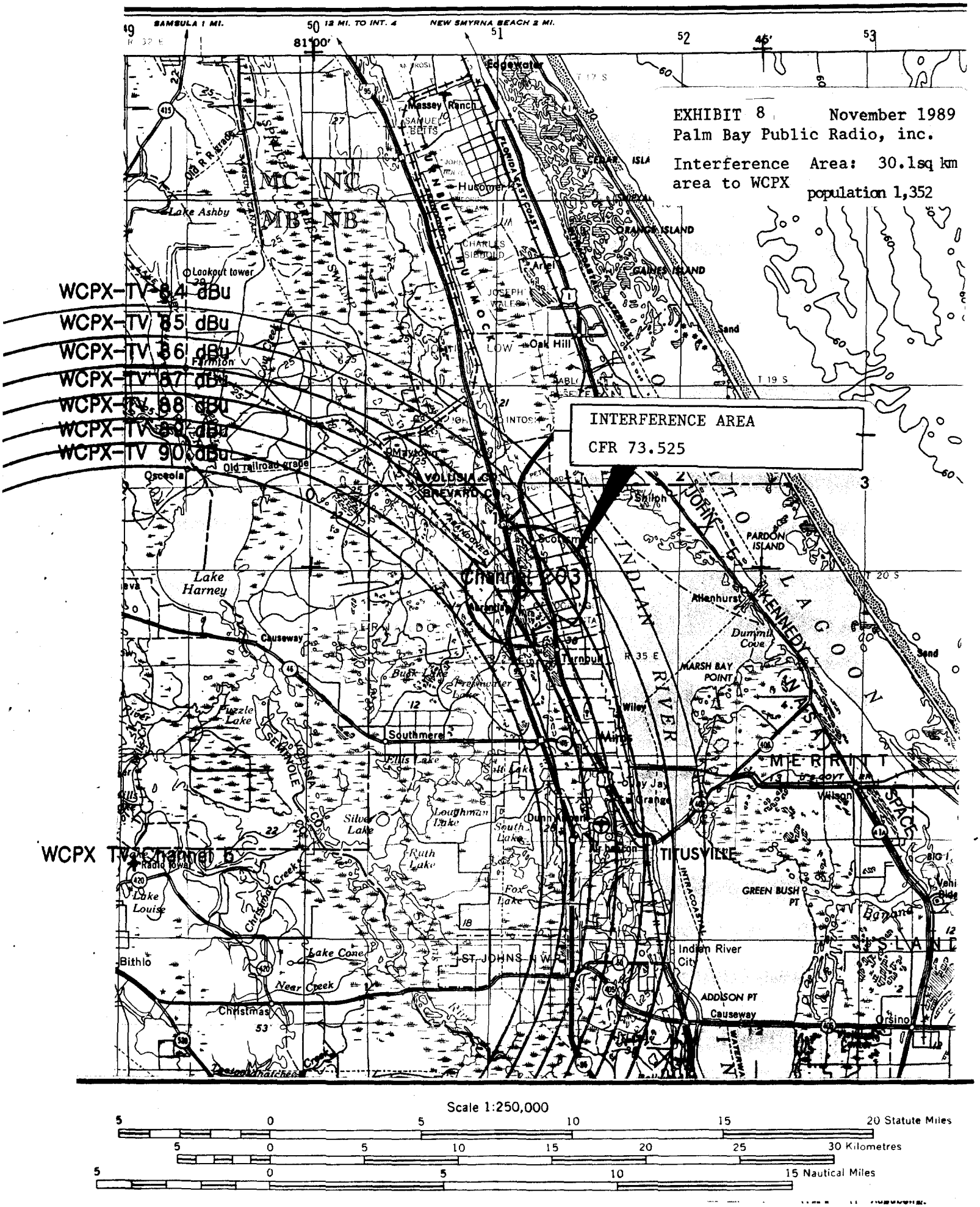


Exhibit 8 Palm Bay Public Radio, Inc. Channel 203 at Mims, Florida Nov, 1989

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 28-44-21
Lon 80-53-01

----- WCPX Channel 6 -----
C/R 445 m AAT
Latitude: 28-36-08
Longitude: 81-05-37

---- Proposed Ch. 203 ----
C/R 66 m AAT
Latitude: 28-44-21
Longitude: 80-53-01

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
.0	3.5	47.6	27.7	452	100	85.8	-3.6	.0	3.46	65.2	.50	82.2
1.0	3.5	47.7	27.8	452	100	85.8	-3.6	1.0	3.46	65.3	.50	82.2
2.0	3.5	47.7	27.8	452	100	85.8	-3.6	2.0	3.47	65.3	.50	82.2
3.0	3.5	47.8	27.9	452	100	85.7	-3.6	3.0	3.48	65.4	.50	82.1
4.0	3.5	47.9	27.9	452	100	85.7	-3.6	4.0	3.49	65.4	.50	82.1
5.0	3.5	48.0	28.0	452	100	85.7	-3.6	5.0	3.49	65.5	.50	82.1
6.0	3.5	48.0	28	452	100	85.6	-3.6	6.0	3.50	65.6	.50	82.1
7.0	3.5	48.1	28.1	452	100	85.6	-3.6	7.0	3.51	65.6	.50	82.0
8.0	3.5	48.2	28.1	452	100	85.6	-3.6	8.0	3.51	65.7	.50	82.0
9.0	3.5	48.3	28.1	452	100	85.5	-3.6	9.0	3.52	65.7	.50	82.0
10.0	3.5	48.4	28.2	452	100	85.5	-3.6	10.0	3.53	65.8	.50	81.9
11.0	3.5	48.5	28.2	452	100	85.5	-3.5	11.0	3.54	65.9	.50	81.9
12.0	3.5	48.6	28.3	452	100	85.5	-3.5	12.0	3.54	65.9	.50	81.9
13.0	3.5	48.7	28.3	452	100	85.4	-3.5	13.0	3.54	66.0	.50	81.9
14.0	3.6	48.7	28.4	452	100	85.4	-3.5	14.0	3.55	66.1	.50	81.8
15.0	3.6	48.8	28.4	452	100	85.4	-3.5	15.0	3.55	66.1	.50	81.8
16.0	3.6	48.9	28.4	452	100	85.4	-3.5	16.0	3.56	66.2	.50	81.8
17.0	3.6	49.0	28.5	452	100	85.3	-3.5	17.0	3.56	66.2	.50	81.8
18.0	3.6	49.1	28.5	452	100	85.3	-3.5	18.0	3.57	66.3	.50	81.8
19.0	3.6	49.2	28.6	452	100	85.3	-3.5	19.0	3.58	66.4	.50	81.7
20.0	3.6	49.3	28.6	452	100	85.3	-3.5	20.0	3.58	66.4	.50	81.7
21.0	3.6	49.4	28.6	452	100	85.2	-3.5	21.0	3.59	66.5	.50	81.7
22.0	3.6	49.6	28.7	452	100	85.2	-3.5	22.0	3.59	66.5	.50	81.7
23.0	3.6	49.7	28.7	452	100	85.2	-3.5	23.0	3.60	66.6	.50	81.7
24.0	3.6	49.8	28.7	452	100	85.2	-3.5	24.0	3.61	66.7	.50	81.6
25.0	3.6	49.9	28.8	452	100	85.2	-3.5	25.0	3.61	66.7	.50	81.6
26.0	3.6	50.0	28.8	452	100	85.1	-3.5	26.0	3.62	66.8	.50	81.6
27.0	3.6	50.1	28.8	452	100	85.1	-3.5	27.0	3.62	66.9	.50	81.6
28.0	3.6	50.2	28.9	452	100	85.1	-3.5	28.0	3.63	66.9	.50	81.6
29.0	3.6	50.3	28.9	452	100	85.1	-3.5	29.0	3.63	67.0	.50	81.6
30.0	3.6	50.4	28.9	452	100	85.1	-3.5	30.0	3.64	67.0	.50	81.5
31.0	3.6	50.6	28.9	452	100	85.1	-3.5	31.0	3.64	67.1	.50	81.5
32.0	3.7	50.7	29.0	452	100	85.0	-3.5	32.0	3.65	67.2	.50	81.5
33.0	3.7	50.8	29.0	452	100	85.0	-3.5	33.0	3.65	67.2	.50	81.5
34.0	3.7	50.9	29	452	100	85.0	-3.5	34.0	3.66	67.3	.50	81.5
35.0	3.7	51.0	29.0	452	100	85.0	-3.5	35.0	3.66	67.4	.50	81.5
36.0	3.7	51.1	29.0	452	100	85.0	-3.5	36.0	3.66	67.4	.50	81.5
37.0	3.7	51.3	29.1	452	100	85.0	-3.5	37.0	3.67	67.5	.50	81.4
38.0	3.7	51.4	29.1	452	100	85.0	-3.5	38.0	3.67	67.5	.50	81.5
39.0	3.7	51.5	29.1	452	100	84.9	-3.5	39.0	3.68	67.6	.50	81.4
40.0	3.7	51.6	29.1	452	100	84.9	-3.5	40.0	3.68	67.7	.50	81.4
41.0	3.7	51.8	29.1	452	100	84.9	-3.5	41.0	3.68	67.7	.50	81.4
42.0	3.7	51.9	29.2	452	100	84.9	-3.5	42.0	3.69	67.8	.50	81.4
43.0	3.7	52.0	29.2	452	100	84.9	-3.5	43.0	3.69	67.8	.50	81.4
44.0	3.7	52.1	29.2	452	100	84.9	-3.5	44.0	3.69	67.9	.50	81.4

Exhibit 8 Palm Bay Public Radio, Inc. Channel 203 at Mims, Florida Nov, 1989

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 28-44-21
Lon 80-53-01

----- WCPX Channel 6 -----
C/R 445 m AAT
Latitude: 28-36-08
Longitude: 81-05-37

---- Proposed Ch. 203 ----
C/R 66 m AAT
Latitude: 28-44-21
Longitude: 80-53-01

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
45.0	3.7	52.2	29.2	452	100	84.9	-3.5	45.0	3.70	68.0	.50	81.4
46.0	3.7	52.4	29.2	452	100	84.9	-3.5	46.0	3.70	68.0	.50	81.4
47.0	3.7	52.5	29.2	452	100	84.9	-3.5	47.0	3.70	68.0	.50	81.4
48.0	3.7	52.6	29.2	452	100	84.9	-3.5	48.0	3.70	68.0	.50	81.4
49.0	3.7	52.8	29.2	452	100	84.9	-3.5	49.0	3.70	68.0	.50	81.4
50.0	3.7	52.9	29.2	452	100	84.9	-3.5	50.0	3.70	68.0	.50	81.4
51.0	3.7	53.0	29.2	452	100	84.9	-3.5	51.0	3.70	68.0	.50	81.4
52.0	3.7	53.1	29.2	452	100	84.9	-3.5	52.0	3.70	68.0	.50	81.4
53.0	3.7	53.3	29.2	452	100	84.9	-3.5	53.0	3.70	68.0	.50	81.4
54.0	3.7	53.4	29.2	452	100	84.9	-3.5	54.0	3.70	68.0	.50	81.4
55.0	3.7	53.5	29.2	452	100	84.9	-3.5	55.0	3.70	68.0	.50	81.4
56.0	3.7	53.6	29.2	452	100	84.9	-3.5	56.0	3.70	68.0	.50	81.4
57.0	3.7	53.8	29.2	452	100	84.9	-3.5	57.0	3.70	68.0	.50	81.4
58.0	3.7	53.9	29.2	452	100	84.9	-3.5	58.0	3.70	68.0	.50	81.4
59.0	3.7	54.0	29.2	452	100	84.9	-3.5	59.0	3.70	68.0	.50	81.4
60.0	3.7	54.1	29.2	452	100	84.9	-3.5	60.0	3.70	68.0	.50	81.4
61.0	3.7	54.3	29.2	452	100	84.9	-3.5	61.0	3.70	68.0	.50	81.4
62.0	3.7	54.4	29.2	452	100	84.9	-3.5	62.0	3.70	68.0	.50	81.4
63.0	3.7	54.5	29.2	452	100	84.9	-3.5	63.0	3.70	68.0	.50	81.4
64.0	3.7	54.6	29.2	452	100	84.9	-3.5	64.0	3.69	68.0	.50	81.4
65.0	3.7	54.8	29.2	452	100	84.9	-3.5	65.0	3.69	68.0	.50	81.4
66.0	3.7	54.9	29.2	452	100	84.9	-3.5	66.0	3.69	68.0	.50	81.4
67.0	3.7	55.0	29.1	452	100	84.9	-3.5	67.0	3.69	68.0	.50	81.4
68.0	3.7	55.1	29.1	452	100	84.9	-3.5	68.0	3.69	68.0	.50	81.4
69.0	3.7	55.3	29.1	452	100	84.9	-3.5	69.0	3.69	68.0	.50	81.4
70.0	3.7	55.4	29.1	452	100	85.0	-3.5	70.0	3.68	68.0	.50	81.5
71.0	3.7	55.5	29.1	452	100	85.0	-3.5	71.0	3.68	68.0	.50	81.5
72.0	3.7	55.6	29.1	452	100	85.0	-3.5	72.0	3.68	68.0	.50	81.5
73.0	3.7	55.7	29.0	452	100	85.0	-3.5	73.0	3.68	68.0	.50	81.5
74.0	3.7	55.9	29	452	100	85.0	-3.5	74.0	3.67	68.0	.50	81.5
75.0	3.7	56.0	29.0	452	100	85.0	-3.5	75.0	3.67	68.0	.50	81.5
76.0	3.7	56.1	29.0	452	100	85.0	-3.5	76.0	3.67	68.0	.50	81.5
77.0	3.7	56.2	28.9	452	100	85.1	-3.5	77.0	3.66	68.0	.50	81.5
78.0	3.7	56.3	28.9	452	100	85.1	-3.5	78.0	3.66	68.0	.50	81.5
79.0	3.7	56.4	28.9	452	100	85.1	-3.5	79.0	3.66	68.0	.50	81.5
80.0	3.7	56.6	28.9	452	100	85.1	-3.5	80.0	3.66	68.0	.50	81.5
81.0	3.7	56.7	28.8	452	100	85.1	-3.5	81.0	3.65	68.0	.50	81.6
82.0	3.7	56.8	28.8	452	100	85.1	-3.5	82.0	3.65	68.0	.50	81.6
83.0	3.6	56.9	28.8	452	100	85.2	-3.5	83.0	3.64	68.0	.50	81.6
84.0	3.6	57.0	28.7	452	100	85.2	-3.5	84.0	3.64	68.0	.50	81.6
85.0	3.6	57.1	28.7	452	100	85.2	-3.5	85.0	3.64	68.0	.50	81.6
86.0	3.6	57.2	28.7	452	100	85.2	-3.5	86.0	3.63	68.0	.50	81.7
87.0	3.6	57.3	28.6	452	100	85.2	-3.5	87.0	3.63	68.0	.50	81.7
88.0	3.6	57.4	28.6	452	100	85.3	-3.5	88.0	3.62	68.0	.50	81.7
89.0	3.6	57.5	28.6	452	100	85.3	-3.5	89.0	3.62	68.0	.50	81.7

Exhibit 8 Palm Bay Public Radio, Inc. Channel 203 at Mims, Florida Nov, 1989

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 28-44-21
Lon 80-53-01

----- WCPX Channel 6 -----
C/R 445 m AAT
Latitude: 28-36-08
Longitude: 81-05-37

---- Proposed Ch. 203 ----
C/R 66 m AAT
Latitude: 28-44-21
Longitude: 80-53-01

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
90.0	3.6	57.6	28.5	452	100	85.3	-3.5	90.0	3.61	68.0	.50	81.8
91.0	3.6	57.7	28.5	452	100	85.3	-3.5	91.0	3.61	68.0	.50	81.8
92.0	3.6	57.8	28.5	452	100	85.4	-3.5	92.0	3.60	67.9	.50	81.8
93.0	3.6	57.9	28.4	452	100	85.4	-3.5	93.0	3.60	67.9	.50	81.8
94.0	3.6	58.0	28.4	452	100	85.4	-3.5	94.0	3.59	67.9	.50	81.9
95.0	3.6	58.1	28.3	452	100	85.4	-3.5	95.0	3.59	67.9	.50	81.9
96.0	3.6	58.2	28.3	452	100	85.5	-3.5	96.0	3.58	67.9	.50	81.9
97.0	3.6	58.3	28.2	452	100	85.5	-3.5	97.0	3.58	67.9	.50	81.9
98.0	3.6	58.4	28.2	452	100	85.5	-3.6	98.0	3.57	67.9	.50	81.9
99.0	3.6	58.5	28.2	452	100	85.5	-3.6	99.0	3.57	67.9	.50	81.9
100.0	3.6	58.6	28.1	452	100	85.6	-3.6	100.0	3.56	67.8	.50	82.0
101.0	3.6	58.7	28.1	452	100	85.6	-3.6	101.0	3.55	67.8	.50	82.0
102.0	3.6	58.8	28.0	452	100	85.6	-3.6	102.0	3.55	67.8	.50	82.0
103.0	3.5	58.9	28.0	452	100	85.7	-3.6	103.0	3.54	67.8	.50	82.1
104.0	3.5	58.9	27.9	452	100	85.7	-3.6	104.0	3.54	67.8	.50	82.1
105.0	3.5	59.0	27.9	452	100	85.7	-3.6	105.0	3.54	67.8	.50	82.1
106.0	3.5	59.1	27.8	452	100	85.7	-3.6	106.0	3.53	67.8	.50	82.2
107.0	3.5	59.2	27.8	452	100	85.8	-3.6	107.0	3.53	67.8	.50	82.2
108.0	3.5	59.2	27.7	452	100	85.8	-3.6	108.0	3.52	67.7	.50	82.2
109.0	3.5	59.3	27.7	452	100	85.8	-3.6	109.0	3.51	67.7	.50	82.3
110.0	3.5	59.4	27.6	452	100	85.9	-3.6	110.0	3.51	67.7	.50	82.3
111.0	3.5	59.5	27.6	452	100	85.9	-3.6	111.0	3.50	67.7	.50	82.3
112.0	3.5	59.5	27.5	452	100	85.9	-3.6	112.0	3.49	67.7	.50	82.3
113.0	3.5	59.6	27.5	452	100	86.0	-3.6	113.0	3.49	67.7	.50	82.3
114.0	3.5	59.7	27.4	452	100	86.0	-3.6	114.0	3.48	67.7	.50	82.4
115.0	3.5	59.7	27.4	452	100	86.0	-3.6	115.0	3.47	67.6	.50	82.4
116.0	3.5	59.8	27.3	452	100	86.1	-3.6	116.0	3.47	67.6	.50	82.4
117.0	3.5	59.8	27.3	452	100	86.1	-3.6	117.0	3.46	67.6	.50	82.5
118.0	3.4	59.9	27.2	452	100	86.1	-3.6	118.0	3.45	67.6	.50	82.5
119.0	3.4	59.9	27.2	452	100	86.2	-3.6	119.0	3.44	67.6	.50	82.6
120.0	3.4	60.0	27.1	452	100	86.2	-3.6	120.0	3.44	67.6	.50	82.6
121.0	3.4	60.0	27.0	452	100	86.3	-3.6	121.0	3.43	67.6	.50	82.6
122.0	3.4	60.1	27.0	452	100	86.3	-3.6	122.0	3.42	67.6	.50	82.7
123.0	3.4	60.1	26.9	452	100	86.3	-3.6	123.0	3.42	67.5	.50	82.7
124.0	2.4	58.2	26.4	452	100	86.7	2.3*	124.0	2.38	67.5	.50	89.0
125.0	2.4	58.2	26.4	452	100	86.7	2.3*	125.0	2.38	67.5	.50	89.0
126.0	2.4	58.2	26.4	452	100	86.7	2.3*	126.0	2.37	67.5	.50	89.0
127.0	2.4	58.3	26.3	452	100	86.7	2.3*	127.0	2.37	67.5	.50	89.0
128.0	2.4	58.3	26.3	452	100	86.8	2.3*	128.0	2.37	67.5	.50	89.0
129.0	2.4	58.3	26.2	452	100	86.8	2.3*	129.0	2.36	67.5	.50	89.1
130.0	2.4	58.3	26.2	452	100	86.8	2.3*	130.0	2.36	67.5	.50	89.1
131.0	2.4	58.4	26.2	452	100	86.9	2.3*	131.0	2.36	67.4	.50	89.1
132.0	2.4	58.4	26.1	452	100	86.9	2.3*	132.0	2.35	67.4	.50	89.2
133.0	2.4	58.4	26.1	452	100	86.9	2.3*	133.0	2.35	67.4	.50	89.2
134.0	2.4	58.4	26.0	452	100	86.9	2.3*	134.0	2.35	67.4	.50	89.2

Exhibit 8 Palm Bay Public Radio, Inc. Channel 203 at Mims, Florida Nov, 1989

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 28-44-21
Lon 80-53-01

----- WCPX Channel 6 -----
C/R 445 m AAT
Latitude: 28-36-08
Longitude: 81-05-37

---- Proposed Ch. 203 ----
C/R 66 m AAT
Latitude: 28-44-21
Longitude: 80-53-01

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
135.0	2.3	58.4	26.0	452	100	87.0	2.3*	135.0	2.34	67.4	.50	89.3
136.0	2.3	58.5	26.0	452	100	87.0	2.3*	136.0	2.34	67.4	.50	89.3
137.0	2.3	58.5	25.9	452	100	87.0	2.3*	137.0	2.34	67.4	.50	89.3
138.0	2.3	58.5	25.9	452	100	87.0	2.3*	138.0	2.33	67.4	.50	89.3
139.0	2.3	58.5	25.8	452	100	87.1	2.3*	139.0	2.33	67.4	.50	89.3
140.0	2.3	58.5	25.8	452	100	87.1	2.3*	140.0	2.33	67.4	.50	89.3
141.0	2.3	58.5	25.7	452	100	87.1	2.3*	141.0	2.32	67.4	.50	89.4
142.0	2.3	58.5	25.7	452	100	87.2	2.3*	142.0	2.32	67.3	.50	89.4
143.0	2.3	58.5	25.7	452	100	87.2	2.3*	143.0	2.32	67.3	.50	89.4
144.0	2.3	58.5	25.6	452	100	87.2	2.3*	144.0	2.31	67.3	.50	89.5
145.0	2.3	58.5	25.6	452	100	87.2	2.3*	145.0	2.31	67.3	.50	89.5
146.0	2.3	58.5	25.5	452	100	87.3	2.3*	146.0	2.31	67.3	.50	89.5
147.0	2.3	58.5	25.5	452	100	87.3	2.3*	147.0	2.30	67.3	.50	89.6
148.0	2.3	58.5	25.5	452	100	87.3	2.3*	148.0	2.30	67.3	.50	89.6
149.0	2.3	58.5	25.4	452	100	87.4	2.3*	149.0	2.30	67.3	.50	89.6
150.0	2.3	58.5	25.4	452	100	87.4	2.3*	150.0	2.29	67.3	.50	89.6
151.0	2.3	58.5	25.3	452	100	87.4	2.3*	151.0	2.29	67.3	.50	89.6
152.0	2.3	58.4	25.3	452	100	87.4	2.3*	152.0	2.29	67.3	.50	89.7
153.0	2.3	58.4	25.3	452	100	87.5	2.3*	153.0	2.29	67.3	.50	89.7
154.0	2.3	58.4	25.2	452	100	87.5	2.2*	154.0	2.29	67.3	.50	89.7
155.0	2.3	58.4	25.2	452	100	87.5	2.2*	155.0	2.29	67.3	.50	89.7
156.0	2.3	58.4	25.1	452	100	87.6	2.2*	156.0	2.28	67.3	.50	89.8
157.0	2.3	58.4	25.1	452	100	87.6	2.2*	157.0	2.28	67.3	.50	89.8
158.0	2.3	58.4	25.1	452	100	87.6	2.2*	158.0	2.28	67.2	.50	89.8
159.0	2.3	58.3	25.0	452	100	87.6	2.2*	159.0	2.27	67.2	.50	89.8
160.0	2.3	58.3	25.0	452	100	87.7	2.2*	160.0	2.27	67.2	.50	89.8
161.0	2.3	58.3	25.0	452	100	87.7	2.2*	161.0	2.27	67.2	.50	89.8
162.0	2.3	58.2	24.9	452	100	87.7	2.2*	162.0	2.26	67.2	.50	89.9
163.0	2.3	58.2	24.9	452	100	87.7	2.2*	163.0	2.26	67.2	.50	89.9
164.0	3.1	60.1	24.6	452	100	87.9	-3.8	164.0	3.12	67.2	.50	84.1
165.0	3.1	60.1	24.6	452	100	88.0	-3.8	165.0	3.12	67.2	.50	84.1
166.0	3.1	60.0	24.5	452	100	88.0	-3.8	166.0	3.11	67.2	.50	84.2
167.0	3.1	60.0	24.5	452	100	88.0	-3.8	167.0	3.11	67.2	.50	84.2
168.0	3.1	59.9	24.4	452	100	88.1	-3.8	168.0	3.10	67.2	.50	84.2
169.0	3.1	59.9	24.4	452	100	88.1	-3.8	169.0	3.09	67.2	.50	84.3
170.0	3.1	59.8	24.3	452	100	88.2	-3.8	170.0	3.09	67.2	.50	84.3
171.0	3.1	59.8	24.3	452	100	88.2	-3.8	171.0	3.08	67.2	.50	84.3
172.0	3.1	59.7	24.2	452	100	88.2	-3.8	172.0	3.08	67.2	.50	84.3
173.0	3.1	59.6	24.2	452	100	88.3	-3.8	173.0	3.07	67.2	.50	84.4
174.0	3.1	59.6	24.1	452	100	88.3	-3.8	174.0	3.06	67.2	.50	84.5
175.0	3.1	59.5	24.1	452	100	88.3	-3.8	175.0	3.06	67.1	.50	84.5
176.0	3.0	59.4	24.0	452	100	88.4	-3.8	176.0	3.05	67.1	.50	84.5
177.0	3.0	59.4	24.0	452	100	88.4	-3.8	177.0	3.05	67.1	.50	84.5
178.0	3.0	59.3	24.0	452	100	88.4	-3.8	178.0	3.04	67.1	.50	84.6
179.0	3.0	59.2	23.9	452	100	88.5	-3.8	179.0	3.04	67.1	.50	84.6

Exhibit 8 Palm Bay Public Radio, Inc. Channel 203 at Mims, Florida Nov, 1989

Educational FM/TV Channel 6 Interference area

Interference
--- Site ---
Lat 28-44-21
Lon 80-53-01

----- WCPX Channel 6 -----
C/R 445 m AAT
Latitude: 28-36-08
Longitude: 81-05-37

---- Proposed Ch. 203 ----
C/R 66 m AAT
Latitude: 28-44-21
Longitude: 80-53-01

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
180.0	3.0	59.2	23.9	452	100	88.5	-3.8	180.0	3.03	67.1	.50	84.6
181.0	3.0	59.1	23.8	452	100	88.5	-3.9	181.0	3.03	67.1	.50	84.6
182.0	3.0	59.0	23.8	452	100	88.6	-3.9	182.0	3.02	67.2	.50	84.7
183.0	3.0	58.9	23.7	452	100	88.6	-3.9	183.0	3.02	67.2	.50	84.7
184.0	3.0	58.8	23.7	452	100	88.6	-3.9	184.0	3	67.2	.50	84.7
185.0	3.0	58.8	23.7	452	100	88.7	-3.9	185.0	3	67.2	.50	84.7
186.0	3.0	58.7	23.6	452	100	88.7	-3.9	186.0	3.00	67.2	.50	84.8
187.0	3.0	58.6	23.6	452	100	88.7	-3.9	187.0	3.00	67.2	.50	84.8
188.0	3.0	58.5	23.5	452	100	88.7	-3.9	188.0	2.99	67.3	.50	84.9
189.0	3.0	58.4	23.5	452	100	88.8	-3.9	189.0	2.99	67.3	.50	84.9
190.0	3.0	58.3	23.5	452	100	88.8	-3.9	190.0	2.99	67.3	.50	84.9
191.0	3.0	58.2	23.4	452	100	88.8	-3.9	191.0	2.98	67.3	.50	84.9
192.0	3.0	58.1	23.4	452	100	88.8	-3.9	192.0	2.98	67.3	.50	84.9
193.0	3.0	58.0	23.4	452	100	88.9	-3.9	193.0	2.97	67.4	.50	85.0
194.0	3.0	58.0	23.3	452	100	88.9	-3.9	194.0	2.97	67.4	.50	85.0
195.0	3.0	57.9	23.3	452	100	88.9	-3.9	195.0	2.97	67.4	.50	85.0
196.0	3.0	57.7	23.3	452	100	89.0	-3.9	196.0	2.96	67.4	.50	85.0
197.0	3.0	57.6	23.2	452	100	89.0	-3.9	197.0	2.96	67.4	.50	85.0
198.0	3.0	57.6	23.2	452	100	89.0	-3.9	198.0	2.96	67.5	.50	85.0
199.0	2.9	57.4	23.2	452	100	89.0	-3.9	199.0	2.95	67.5	.50	85.1
200.0	2.9	57.3	23.1	452	100	89.0	-3.9	200.0	2.95	67.5	.50	85.1
201.0	2.9	57.2	23.1	452	100	89.1	-3.9	201.0	2.95	67.5	.50	85.1
202.0	2.9	57.1	23.1	452	100	89.1	-3.9	202.0	2.94	67.5	.50	85.2
203.0	2.9	57.0	23.1	452	100	89.1	-3.9	203.0	2.94	67.6	.50	85.2
204.0	2.9	56.9	23.0	452	100	89.1	-3.9	204.0	2.94	67.6	.50	85.2
205.0	2.9	56.8	23.0	452	100	89.2	-3.9	205.0	2.94	67.6	.50	85.2
206.0	2.9	56.7	23.0	452	100	89.2	-3.9	206.0	2.93	67.6	.50	85.2
207.0	2.9	56.6	23.0	452	100	89.2	-3.9	207.0	2.93	67.6	.50	85.2
208.0	2.9	56.5	22.9	452	100	89.2	-3.9	208.0	2.93	67.6	.50	85.2
209.0	2.9	56.3	22.9	452	100	89.2	-3.9	209.0	2.93	67.7	.50	85.2
210.0	2.9	56.2	22.9	452	100	89.2	-3.9	210.0	2.92	67.7	.50	85.3
211.0	2.9	56.1	22.9	452	100	89.3	-3.9	211.0	2.92	67.7	.50	85.3
212.0	2.9	56.0	22.8	452	100	89.3	-3.9	212.0	2.92	67.7	.50	85.3
213.0	2.9	55.9	22.8	452	100	89.3	-3.9	213.0	2.92	67.7	.50	85.3
214.0	2.9	55.7	22.8	452	100	89.3	-3.9	214.0	2.92	67.8	.50	85.3
215.0	2.9	55.6	22.8	452	100	89.3	-3.9	215.0	2.91	67.8	.50	85.4
216.0	2.9	55.5	22.8	452	100	89.3	-3.9	216.0	2.91	67.8	.50	85.4
217.0	2.9	55.4	22.8	452	100	89.3	-3.9	217.0	2.91	67.8	.50	85.4
218.0	2.9	55.3	22.7	452	100	89.4	-3.9	218.0	2.91	67.8	.50	85.4
219.0	2.9	55.1	22.7	452	100	89.4	-3.9	219.0	2.91	67.9	.50	85.4
220.0	2.9	55.0	22.7	452	100	89.4	-3.9	220.0	2.91	67.9	.50	85.4
221.0	2.9	54.9	22.7	452	100	89.4	-3.9	221.0	2.91	67.9	.50	85.4
222.0	2.9	54.8	22.7	452	100	89.4	-3.9	222.0	2.90	67.9	.50	85.5
223.0	2.9	54.6	22.7	452	100	89.4	-3.9	223.0	2.90	67.9	.50	85.5
224.0	2.9	54.5	22.7	452	100	89.4	-3.9	224.0	2.90	68.0	.50	85.5

Exhibit 8; Palm Bay Public Radio, Inc. Channel 203 at Mims, Florida Nov, 1989

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 28-44-21
Lon 80-53-01

----- WCPX Channel 6 -----
C/R 445 m AAT
Latitude: 28-36-08
Longitude: 81-05-37

---- Proposed Ch. 203 ----
C/R 66 m AAT
Latitude: 28-44-21
Longitude: 80-53-01

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
225.0	2.9	54.4	22.7	452	100	89.4	-3.9	225.0	2.90	68.0	.50	85.5
226.0	2.9	54.3	22.7	452	100	89.4	-3.9	226.0	2.90	68.0	.50	85.5
227.0	2.9	54.1	22.7	452	100	89.4	-3.9	227.0	2.90	67.9	.50	85.5
228.0	2.9	54.0	22.7	452	100	89.4	-3.9	228.0	2.90	67.9	.50	85.5
229.0	2.9	53.9	22.6	452	100	89.4	-3.9	229.0	2.90	67.9	.50	85.5
230.0	2.9	53.7	22.6	452	100	89.4	-3.9	230.0	2.90	67.9	.50	85.5
231.0	2.9	53.6	22.6	452	100	89.4	-3.9	231.0	2.90	67.9	.50	85.4
232.0	2.9	53.5	22.6	452	100	89.4	-3.9	232.0	2.90	67.9	.50	85.4
233.0	2.9	53.4	22.6	452	100	89.4	-3.9	233.0	2.90	67.9	.50	85.4
234.0	2.9	53.2	22.6	452	100	89.4	-3.9	234.0	2.90	67.9	.50	85.4
235.0	2.9	53.1	22.6	452	100	89.4	-3.9	235.0	2.90	67.9	.50	85.4
236.0	2.9	53.0	22.6	452	100	89.4	-3.9	236.0	2.90	67.8	.50	85.4
237.0	2.9	52.9	22.6	452	100	89.4	-3.9	237.0	2.90	67.8	.50	85.4
238.0	2.9	52.7	22.6	452	100	89.4	-3.9	238.0	2.90	67.8	.50	85.4
239.0	2.9	52.6	22.6	452	100	89.4	-3.9	239.0	2.90	67.8	.50	85.4
240.0	2.9	52.5	22.7	452	100	89.4	-3.9	240.0	2.90	67.8	.50	85.4
241.0	2.9	52.3	22.7	452	100	89.4	-3.9	241.0	2.90	67.8	.50	85.4
242.0	2.9	52.2	22.7	452	100	89.4	-3.9	242.0	2.90	67.8	.50	85.4
243.0	2.9	52.1	22.7	452	100	89.4	-3.9	243.0	2.90	67.8	.50	85.4
244.0	2.9	52.0	22.7	452	100	89.4	-3.9	244.0	2.90	67.8	.50	85.4
245.0	2.9	51.8	22.7	452	100	89.4	-3.9	245.0	2.90	67.7	.50	85.4
246.0	2.9	51.7	22.7	452	100	89.4	-3.9	246.0	2.90	67.7	.50	85.4
247.0	2.9	51.6	22.7	452	100	89.4	-3.9	247.0	2.90	67.7	.50	85.4
248.0	2.9	51.5	22.7	452	100	89.4	-3.9	248.0	2.91	67.7	.50	85.4
249.0	2.9	51.3	22.7	452	100	89.4	-3.9	249.0	2.91	67.7	.50	85.4
250.0	2.9	51.2	22.8	452	100	89.3	-3.9	250.0	2.91	67.7	.50	85.4
251.0	2.9	51.1	22.8	452	100	89.3	-3.9	251.0	2.91	67.7	.50	85.4
252.0	2.9	51.0	22.8	452	100	89.3	-3.9	252.0	2.91	67.7	.50	85.4
253.0	2.9	50.9	22.8	452	100	89.3	-3.9	253.0	2.91	67.7	.50	85.4
254.0	2.9	50.7	22.8	452	100	89.3	-3.9	254.0	2.91	67.6	.50	85.4
255.0	2.9	50.6	22.8	452	100	89.3	-3.9	255.0	2.92	67.6	.50	85.3
256.0	2.9	50.5	22.9	452	100	89.3	-3.9	256.0	2.92	67.6	.50	85.3
257.0	2.9	50.4	22.9	452	100	89.2	-3.9	257.0	2.92	67.6	.50	85.3
258.0	2.9	50.3	22.9	452	100	89.2	-3.9	258.0	2.92	67.6	.50	85.3
259.0	2.9	50.2	22.9	452	100	89.2	-3.9	259.0	2.93	67.6	.50	85.2
260.0	2.9	50.0	22.9	452	100	89.2	-3.9	260.0	2.93	67.6	.50	85.2
261.0	2.9	49.9	23.0	452	100	89.2	-3.9	261.0	2.93	67.6	.50	85.2
262.0	2.9	49.8	23.0	452	100	89.2	-3.9	262.0	2.93	67.6	.50	85.2
263.0	2.9	49.7	23.0	452	100	89.1	-3.9	263.0	2.94	67.5	.50	85.2
264.0	2.9	49.6	23.0	452	100	89.1	-3.9	264.0	2.94	67.5	.50	85.2
265.0	2.9	49.5	23.1	452	100	89.1	-3.9	265.0	2.94	67.5	.50	85.2
266.0	2.9	49.4	23.1	452	100	89.1	-3.9	266.0	2.95	67.5	.50	85.1
267.0	2.9	49.3	23.1	452	100	89.1	-3.9	267.0	2.95	67.5	.50	85.1
268.0	2.9	49.2	23.2	452	100	89.0	-3.9	268.0	2.95	67.5	.50	85.1
269.0	3.0	49.0	23.2	452	100	89.0	-3.9	269.0	2.96	67.5	.50	85.1

Exhibit 8; Palm Bay Public Radio, Inc. Channel 203 at Mims, Florida Nov, 1989

Educational FM/TV Channel 6 Interference area

Interference --- Site ---		----- WCPX Channel 6 -----						---- Proposed Ch. 203 ----				
Lat 28-44-21		C/R 445 m AAT						C/R 66 m AAT				
Lon 80-53-01		Latitude: 28-36-08						Latitude: 28-44-21				
		Longitude: 81-05-37						Longitude: 80-53-01				
Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
315.0	2.2	48.3	25.3	452	100	87.5	2.3*	315.0	2.23	61.9	.50	89.7
316.0	2.2	48.3	25.3	452	100	87.4	2.3*	316.0	2.24	61.9	.50	89.6
317.0	2.2	48.3	25.4	452	100	87.4	2.3*	317.0	2.24	62.0	.50	89.6
318.0	2.2	48.3	25.4	452	100	87.4	2.3*	318.0	2.25	62.1	.50	89.6
319.0	2.2	48.3	25.4	452	100	87.3	2.3*	319.0	2.25	62.2	.50	89.6
320.0	2.2	48.3	25.5	452	100	87.3	2.3*	320.0	2.25	62.2	.50	89.6
321.0	2.3	48.2	25.5	452	100	87.3	2.3*	321.0	2.26	62.3	.50	89.5
322.0	2.3	48.3	25.6	452	100	87.3	2.3*	322.0	2.26	62.4	.50	89.5
323.0	2.3	48.2	25.6	452	100	87.2	2.3*	323.0	2.27	62.5	.50	89.4
324.0	2.3	48.2	25.6	452	100	87.2	2.3*	324.0	2.27	62.5	.50	89.4
325.0	2.3	48.3	25.7	452	100	87.2	2.3*	325.0	2.27	62.6	.50	89.4
326.0	2.3	48.2	25.7	452	100	87.1	2.3*	326.0	2.28	62.7	.50	89.4
327.0	2.3	48.3	25.8	452	100	87.1	2.3*	327.0	2.28	62.8	.50	89.4
328.0	2.3	48.2	25.8	452	100	87.1	2.3*	328.0	2.29	62.8	.50	89.3
329.0	2.3	48.3	25.8	452	100	87.1	2.3*	329.0	2.29	62.9	.50	89.3
330.0	2.3	48.3	25.9	452	100	87.0	2.3*	330.0	2.29	63.0	.50	89.3
331.0	2.3	48.3	25.9	452	100	87.0	2.3*	331.0	2.29	63.1	.50	89.3
332.0	2.3	48.3	26.0	452	100	87.0	2.3*	332.0	2.29	63.1	.50	89.3
333.0	2.3	48.3	26	452	100	87.0	2.3*	333.0	2.30	63.2	.50	89.2
334.0	2.3	48.3	26.0	452	100	86.9	2.3*	334.0	2.30	63.3	.50	89.2
335.0	2.3	48.3	26.1	452	100	86.9	2.3*	335.0	2.30	63.3	.50	89.2
336.0	2.3	48.3	26.1	452	100	86.9	2.3*	336.0	2.31	63.4	.50	89.1
337.0	2.3	48.4	26.2	452	100	86.8	2.3*	337.0	2.31	63.5	.50	89.1
338.0	2.3	48.4	26.2	452	100	86.8	2.3*	338.0	2.32	63.6	.50	89.1
339.0	2.3	48.4	26.2	452	100	86.8	2.3*	339.0	2.32	63.6	.50	89.1
340.0	2.3	48.4	26.3	452	100	86.8	2.3*	340.0	2.32	63.7	.50	89.1
341.0	2.3	48.5	26.3	452	100	86.7	2.3*	341.0	2.33	63.8	.50	89.0
342.0	2.3	48.5	26.4	452	100	86.7	2.3*	342.0	2.33	63.9	.50	89.0
343.0	2.3	48.5	26.4	452	100	86.7	2.3*	343.0	2.34	63.9	.50	88.9
344.0	3.3	46.7	26.9	452	100	86.4	-3.6	344.0	3.32	64.0	.50	82.7
345.0	3.3	46.7	26.9	452	100	86.3	-3.6	345.0	3.33	64.1	.50	82.7
346.0	3.3	46.7	27.0	452	100	86.3	-3.6	346.0	3.34	64.2	.50	82.7
347.0	3.3	46.8	27.0	452	100	86.3	-3.6	347.0	3.35	64.2	.50	82.6
348.0	3.4	46.8	27.1	452	100	86.2	-3.6	348.0	3.36	64.3	.50	82.6
349.0	3.4	46.9	27.1	452	100	86.2	-3.6	349.0	3.37	64.4	.50	82.5
350.0	3.4	46.9	27.2	452	100	86.2	-3.6	350.0	3.37	64.5	.50	82.5
351.0	3.4	47.0	27.3	452	100	86.1	-3.6	351.0	3.38	64.5	.50	82.5
352.0	3.4	47.1	27.3	452	100	86.1	-3.6	352.0	3.39	64.6	.50	82.5
353.0	3.4	47.1	27.4	452	100	86.1	-3.6	353.0	3.40	64.7	.50	82.4
354.0	3.4	47.2	27.4	452	100	86.0	-3.6	354.0	3.41	64.7	.50	82.4
355.0	3.4	47.2	27.5	452	100	86.0	-3.6	355.0	3.42	64.8	.50	82.3
356.0	3.4	47.3	27.5	452	100	85.9	-3.6	356.0	3.42	64.9	.50	82.4
357.0	3.4	47.4	27.6	452	100	85.9	-3.6	357.0	3.43	65.0	.50	82.3
358.0	3.4	47.4	27.6	452	100	85.9	-3.6	358.0	3.44	65.0	.50	82.3
359.0	3.4	47.5	27.7	452	100	85.8	-3.6	359.0	3.45	65.1	.50	82.2

Total interference area: 30.0716 sq km (11.6107 sq mi)

Exhibit 8; Palm Bay Public Radio, Inc. Channel 203 at Mims, Florida Nov, 1989

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 28-44-21
Lon 80-53-01

----- WCPX Channel 6 -----
C/R 445 m AAT
Latitude: 28-36-08
Longitude: 81-05-37

---- Proposed Ch. 203 ----
C/R 66 m AAT
Latitude: 28-44-21
Longitude: 80-53-01

Bear. (deg)	Dist (km)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear. (deg)	Dist (km)	Haat (m)	ERP (kW)	F.S. (dBu)
270.0	3.0	49.0	23.2	452	100	89.0	-3.9	270.0	2.96	67.5	.50	85.1
271.0	3.0	48.9	23.3	452	100	89.0	-3.9	271.0	2.96	67.3	.50	85.0
272.0	3.0	48.8	23.3	452	100	88.9	-3.9	272.0	2.96	67.2	.50	85.0
273.0	3.0	48.7	23.3	452	100	88.9	-3.9	273.0	2.96	67.1	.50	85.0
274.0	3.0	48.6	23.4	452	100	88.9	-3.9	274.0	2.97	67.0	.50	84.9
275.0	3.0	48.5	23.4	452	100	88.9	-3.9	275.0	2.97	66.8	.50	84.9
276.0	3.0	48.4	23.4	452	100	88.8	-3.9	276.0	2.97	66.7	.50	84.9
277.0	3.0	48.3	23.5	452	100	88.8	-3.9	277.0	2.97	66.6	.50	84.9
278.0	3.0	48.2	23.5	452	100	88.8	-3.9	278.0	2.97	66.5	.50	84.9
279.0	3.0	48.1	23.5	452	100	88.7	-3.9	279.0	2.98	66.3	.50	84.8
280.0	3.0	48.1	23.6	452	100	88.7	-3.9	280.0	2.98	66.2	.50	84.8
281.0	3.0	48.0	23.6	452	100	88.7	-3.9	281.0	2.98	66.1	.50	84.8
282.0	3.0	47.9	23.7	452	100	88.7	-3.9	282.0	2.98	66.0	.50	84.8
283.0	3.0	47.8	23.7	452	100	88.6	-3.9	283.0	2.99	65.8	.50	84.7
284.0	3.0	47.7	23.7	452	100	88.6	-3.9	284.0	2.99	65.7	.50	84.7
285.0	3.0	47.7	23.8	452	100	88.6	-3.9	285.0	2.99	65.6	.50	84.7
286.0	3.0	47.6	23.8	452	100	88.5	-3.9	286.0	2.99	65.5	.50	84.7
287.0	3.0	47.5	23.9	452	100	88.5	-3.8	287.0	3.00	65.4	.50	84.6
288.0	3.0	47.4	23.9	452	100	88.5	-3.8	288.0	3.00	65.2	.50	84.6
289.0	3.0	47.4	24.0	452	100	88.4	-3.8	289.0	3.00	65.1	.50	84.6
290.0	3.0	47.3	24	452	100	88.4	-3.8	290.0	3.00	65.0	.50	84.6
291.0	3.0	47.2	24.0	452	100	88.4	-3.8	291.0	3	64.9	.50	84.5
292.0	3.0	47.2	24.1	452	100	88.3	-3.8	292.0	3	64.7	.50	84.5
293.0	3.0	47.1	24.1	452	100	88.3	-3.8	293.0	3	64.6	.50	84.5
294.0	3.0	47.1	24.2	452	100	88.3	-3.8	294.0	3.02	64.5	.50	84.4
295.0	3.0	47.0	24.2	452	100	88.2	-3.8	295.0	3.02	64.4	.50	84.4
296.0	3.0	47.0	24.3	452	100	88.2	-3.8	296.0	3.02	64.2	.50	84.4
297.0	3.0	46.9	24.3	452	100	88.2	-3.8	297.0	3.03	64.1	.50	84.3
298.0	3.0	46.9	24.4	452	100	88.1	-3.8	298.0	3.03	64.0	.50	84.3
299.0	3.0	46.8	24.4	452	100	88.1	-3.8	299.0	3.03	63.9	.50	84.3
300.0	3.0	46.8	24.5	452	100	88.0	-3.8	300.0	3.04	63.7	.50	84.2
301.0	3.0	46.7	24.5	452	100	88.0	-3.8	301.0	3.04	63.6	.50	84.2
302.0	3.0	46.7	24.6	452	100	88.0	-3.8	302.0	3.04	63.5	.50	84.2
303.0	3.0	46.7	24.6	452	100	87.9	-3.8	303.0	3.05	63.4	.50	84.1
304.0	2.2	48.5	24.9	452	100	87.7	2.2*	304.0	2.21	63.2	.50	90.0
305.0	2.2	48.5	24.9	452	100	87.7	2.2*	305.0	2.22	63.1	.50	89.9
306.0	2.2	48.4	25.0	452	100	87.7	2.2*	306.0	2.22	63.0	.50	89.9
307.0	2.2	48.4	25.0	452	100	87.7	2.2*	307.0	2.22	62.9	.50	89.9
308.0	2.2	48.4	25.0	452	100	87.6	2.2*	308.0	2.22	62.7	.50	89.9
309.0	2.2	48.4	25.1	452	100	87.6	2.2*	309.0	2.22	62.6	.50	89.8
310.0	2.2	48.4	25.1	452	100	87.6	2.2*	310.0	2.22	62.5	.50	89.8
311.0	2.2	48.3	25.1	452	100	87.6	2.2*	311.0	2.23	62.4	.50	89.7
312.0	2.2	48.3	25.2	452	100	87.5	2.2*	312.0	2.23	62.2	.50	89.7
313.0	2.2	48.3	25.2	452	100	87.5	2.2*	313.0	2.23	62.1	.50	89.7
314.0	2.2	48.3	25.3	452	100	87.5	2.3*	314.0	2.23	62.0	.50	89.7

#1
Area of
Interf.

Bear. (deg)	Dist. (km)
.0	3.5
5.0	3.5
10.0	3.5
15.0	3.6
20.0	3.6
25.0	3.6
30.0	3.6
35.0	3.7
40.0	3.7
45.0	3.7
50.0	3.7
55.0	3.7
60.0	3.7
65.0	3.7
70.0	3.7
75.0	3.7
80.0	3.7
85.0	3.6
90.0	3.6
95.0	3.6
100.0	3.6
105.0	3.5
110.0	3.5
115.0	3.5
120.0	3.4
125.0	2.4
130.0	2.4
135.0	2.3
140.0	2.3
145.0	2.3
150.0	2.3
155.0	2.3
160.0	2.3
165.0	3.1
170.0	3.1
175.0	3.1
180.0	3.0
185.0	3.0
190.0	3.0
195.0	3.0
200.0	2.9
205.0	2.9
210.0	2.9
215.0	2.9
220.0	2.9
225.0	2.9
230.0	2.9
235.0	2.9
240.0	2.9
245.0	2.9
250.0	2.9
255.0	2.9
260.0	2.9
265.0	2.9
270.0	3.0
275.0	3.0
280.0	3.0
285.0	3.0
290.0	3.0
295.0	3.0
300.0	3.0
305.0	2.2
310.0	2.2
315.0	2.2
320.0	2.2
325.0	2.3
330.0	2.3
335.0	2.3
340.0	2.3
345.0	3.3
350.0	3.4
355.0	3.4

Listing frequency: Totals only.

1980 Census data totals will be included.

Exhibit 8

Palm Bay Public Radio, Inc.
Channel 203A at Mims, Florida
November 1989

Coordinates: 28-44-21; 80-53-01

Population within interference area

Total Population (1980 Census): 1,022
Total Population (1986 Update): 1,352

Area of interference: 30.1 Sq km

TRANSMITTER SITE CERTIFICATION FORM

To be included with FCC Form 340: APPLICATION TO CONSTRUCT OR MAKE CHANGES IN AN EXISTING BROADCAST STATION.

CERTIFICATION OF SITE AVAILABILITY

1. The applicant certifies that it has reasonable assurance in good faith that the site or structure proposed in Items 1 and/or 2, Section V-G, FCC Form 340, as the location of its transmitting antenna, will be available to the applicant for applicant's intended purpose

   YES X NO ____

   If no, explain fully

2. If reasonable assurance is not based on applicant's ownership of the proosed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

   Randy Henry — Name of person contacted

   1-800 326 8890 — Telephone number

   Person contacted (check one):

   Owner ____ Owner's Agent ____ Other(specify) X *

   *Tower is owned by a nonprofit corporation: Florida Public Radio, Inc.; Randy Henry is President of the organization.

   Applicant's Signature: Title

   11-13-89 — Date

LD

800327 MC

FCC MAIL SECTION

ORIGINAL

MAR 27 11 24 AM '90
AUDIO SERVICES DIVISION

RECEIVED
MAR 27 1990
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March 22, 1990

Palm Bay Public Radio, Inc.
P O Box 1020
Palm Bay, FL 32907

Ms. Donna R. Searcy, Secretary
FCC
1919 M St N.W.
Washington, D.C. 20554

In re: BPED-891127MB
Commission ref: 8920-CMJ

Dear Ms. Searcy:

On January 19, 1990, Dennis Williams, Chief, FM Branch, requested information regarding the above captioned application.

On March 7, 1990, Palm Bay Public Radio, Inc. (Palm Bay) submitted a response. The explanation for the discrepancy believed to be right at that time, is found to be wrong. The coordinate discrepancy for the WPGS AM tower stems from the consulting engineer, Bromo Communications, entering the wrong coordinates on the Form 301 license application. The firm did not know that the site coordinates had been amended (about 800 feet in actual distance.

The attached page titled "Item One" corrects the page by the same title submitted on March 7. The statements in that filing of March 7 that deal with ANSI standards remain.

Sincerely,

Daniel McMurphy

Daniel McMurphy

Enclosure

cc: Room 332 REF 8920-CMJ

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MAR 28 1990
FM EXAMINERS

MAR 27 11 25 AM '90
AUDIO SERVICES
DIVISION

NEW FM, Mims Florida
Palm Bay Public Radio, Inc.
BPED-891127MB
FCC Reply Ref: 8920-CMJ

ITEM ONE:

CLARIFICATION OF COORDINATES

The coordinates used in the above-captioned application did not match the FCC record for being the coordinates of WPGS-an AM facility. An amended CP for the AM station (then WNUY) authorized construction at the "Palm Bay" set of coordinates.

It turns out that when the Form 301 license application for the AM station was prepared by Bromo Communications, the old original coordinates were used, causing the current discrepancy.

The AM facility ownership is taking care of getting its coordinates on the license to agree with the coordinates on the amended CP, which also are the coordinates authorized by the FAA.

Mistaken coordinates on license of WPGS AM being cleared up:

28° 44' 17" 80° 52' 52"

AM CP; FAA; and Palm Bay Application coordinates unchanged:

28° 44' 21" 80° 53' 01"

FCC MAIL SECTION

PALM BAY PUBLIC RADIO INC.

P O Box 1020 Palm Bay, FL 32907

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March 7, 1990

Ms. Donna R. Searcy
Secretary
FCC
1919 M St NW
Washington, D.C. 20554

In re: Commission ref: 8920-CMJ
NEW FM (NCE) at Mims, FL

Dear Ms. Searcy:

On January 19, 1990, Dennis Williams, Chief, FM Branch, requested information regarding the above-captioned application.

The issues were ANSI Standards and the applicant's demonstration of compliance, and an apparent database discrepancy for actual coordinates.

The matters are dealt with in the enclosed response, which is transmitted in triplicate, with a copy going to Mr Williams under separate cover.

Sincerely,

Daniel McMurphy

Daniel McMurphy
President,
Palm Bay Public Radio, Inc.

Enclosure

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AUDIO SERVICES
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NEW FM, Mims, Florida
Palm Bay Public Radio, Inc.
BPED-891127MB

SUPPLIMENTAL ENGINEERING EXHIBIT IN RESPONSE TO

COMMISSION LETTER DATED JANUARY 19, 1990 8920-CMJ

ISSUES:

1. Clarification of Coordinates
2. Compliance with radiation guidelines

TABLE OF CONTENTS

ITEMS:

1. Affirmation that coordinates proposed are correct.
2. Copy of FCC authorization at proposed coordinates
3. Copy of FAA authorization at proposed coordinates
4. Evaluation of RF radiation to environment with respect to OST Bulletin No. 65.

NEW FM, Mims Florida
Palm Bay Public Radio, Inc.
BPED-891127MB

FCC Reply Ref: 8920-CMJ

ITEM ONE:

CLARIFICATION OF COORDINATES

The coordinates used in the above-captioned application are true and correct for both the proposed NEW FM facility of Palm Bay Public Radio, Inc., and for the AM Broadcast facility, WPGS, Mims. The coordinates that the Commission is apparently showing for WPGS are those of the original application and CP for WPGS. Those original coordinates were amended prior to construction (by a few hundred feet) in order to get into a cow pasture where the County would issue a Conditional Use Permit for erection of the tower.

For reference, the Commission's subsequent authorization at the amended coordinates, and the FAA authorization, are reproduced on the following pages as items two and three.

It may be that all of the Commission's databases were not changed to reflect the correct and authorized coordinates.

Old and incorrect:	28° 44' 17"	80° 52' 52"
Authorized:	28° 44' 21"	80° 52' 52"