

## Request Minor Modification to FM Translator

**W284BO**

Lake Placid, FL

CH284D

104.7 MHz

0.12 kW      ERP

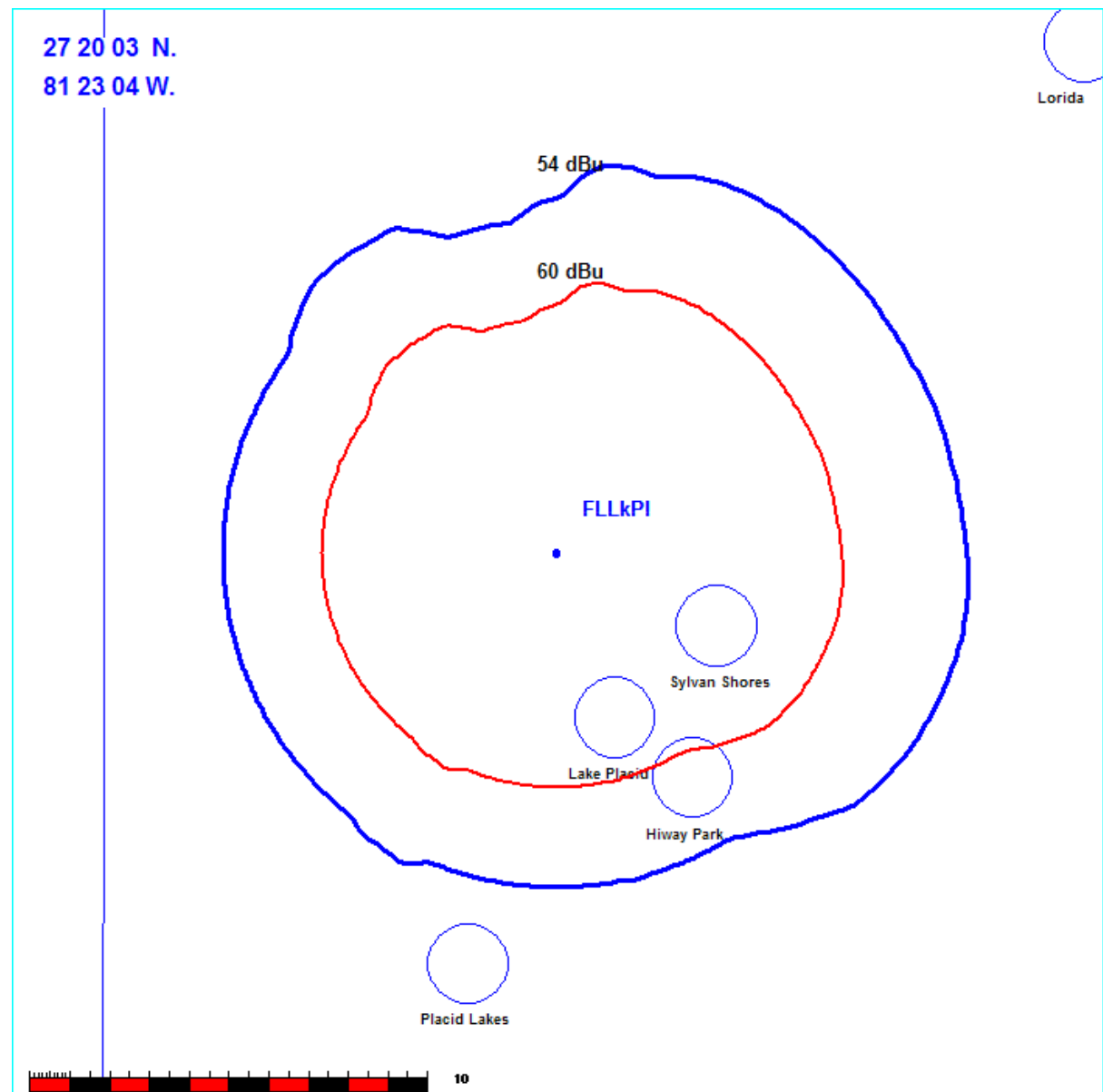
43 M      AMSL

15 M      AGL

58 M      COR AMSL

46 M      Highest HAAT at 30 degrees

36 M      Overall HAAT



FMCONT ©V-Soft Communications® Interference Mode								
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<div> <div>N. Lat. 27 20 03 W. Lng. 81 23 04</div> <div>58 M COR 0.12 kW</div> <div>Interference Mode CH 284, 104.7 D</div> <div>Lake Placid FL 46.0 M HAAT</div> <div>filkpl.vsf 11-15-07</div> </div>								
Call	Type	Ch	Location		Dist	Azi	In	Out
W284BO	CP	284D	Lake Placid	FL	3.01	131.7	-23.80*	-25.57*
WRBQ-F	APP-N	284C1	Tampa	FL	120.24	303.8	-44.45	39.25
WRBQ-F	APP-N	284C1	Tampa	FL	120.24	303.8	-44.45	39.25
WRBQ-F	LIC	284C1	Tampa	FL	126.00	303.0	-38.47	45.18
WFLM	LIC	284C3	White City	FL	100.21	83.3	-15.50	37.48
WVDV-L	LIC	285L1	Sebring	FL	25.71	332.8	11.78	11.23
AP0673	APP	283L1	Sebring	FL	26.17	331.5	11.41	11.14
WZSP	LIC-Z	287A	Nocatee	FL	58.36	253.4	49.83	29.65
WSGL	LIC-N	284C2	Naples	FL	137.95	194.1	18.26	76.75
W283AM	LIC	283D	Arcadia	FL	48.30	257.8	32.66	33.04
WEAT-F	LIC-N	282C	West Palm Beach	FL	141.08	126.4	122.66	60.99
WEAT-F	CP -N	282C	West Palm Beach	FL	141.09	126.4	121.91	56.17
WOMX-F	LIC	286C	Orlando	FL	141.45	12.3	122.13	54.81
WTKS-F	LIC	281C	Cocoa Beach	FL	141.45	12.3	122.13	54.81
WCVU	LIC-Z	285A	Solana	FL	82.15	233.5	32.93	45.73
WSJT	LIC	231C	Lakeland	FL	80.91	297.9	29.0R	51.9M
AP4481	APP	284D	Merritt Island	FL	130.28	28.2	100.32	99.56
AP0013	APP	283D	Fort Myers	FL	91.16	211.2	79.25	78.40
End of Screen List								

## Antenna Height Above Average Terrain Calculations -- Input

Latitude	<b>27 20 3.0 North</b>	
Longitude	<b>81 23 4.0 West</b>	(NAD 27)

Height of antenna radiation center above mean sea level [RCAMSL] = **58.0** meters

Number of Evenly Spaced Radials = 12      0° is referenced to True North

## Results:

**Calculated HAAT= 36. meters**

(Antenna Height Above Average Terrain)  
using the 30 second FCC/NGDC terrain data)

### Antenna Radiation Center Heights Above Individual Radials:

0.0°	35.7 meters
30.0°	45.7 meters
60.0°	44.8 meters
90.0°	46.1 meters
120.0°	43.9 meters
150.0°	30.2 meters
180.0°	28.9 meters
210.0°	32.7 meters
240.0°	27.9 meters
270.0°	28.5 meters
300.0°	29.1 meters
330.0°	36.0 meters