

**FM Digital ERP Study**  
**Alpha Media Licensee, LLC**  
**WMBX (Facility ID: 25756)**

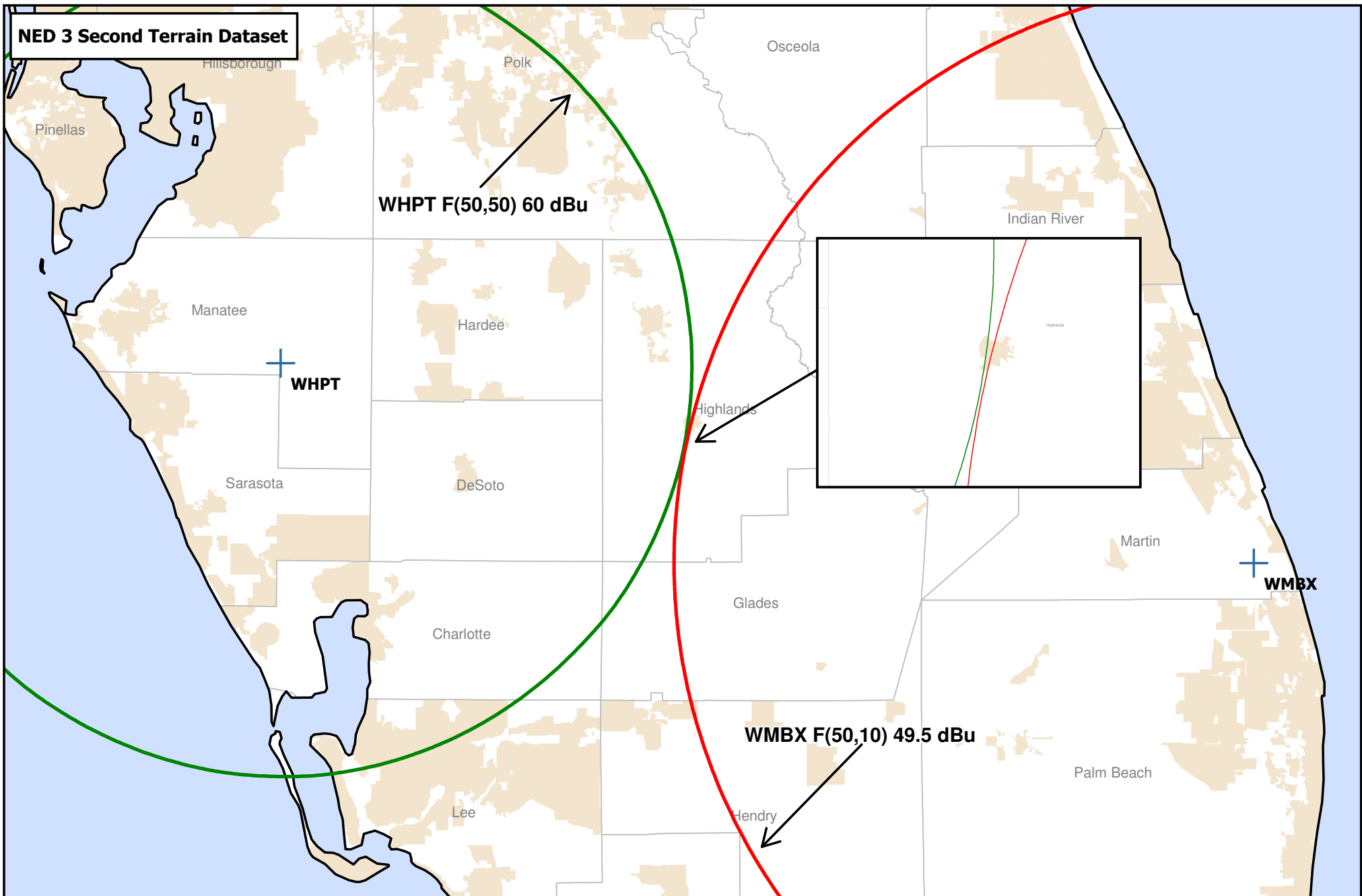
This exhibit demonstrates compliance with the Media Bureau's January 27, 2010, Order in MM Docket 99-325 (DA 10-208) authorizing an ERP in excess of -14 if the eligibility requirements of Paragraph 20 of the order are met with respect to all first-adjacent full-service FM stations.

Below is a listing of area first-adjacent stations whose contours are less than 150 km clear of WMBX's analog F(50,10) and the protected 60 dBu F(50,50) contour of the potentially affected first-adjacent channel analog FM station. This calculation is done using the station's licensed analog facilities and the standard FCC contour prediction methodology.

Callsign	State	City	Channel	ERP (kW)	Class	Status	Distance (km)	Clr (km)
<b>WHPT</b>	<b>FL</b>	<b>Sarasota</b>	<b>273</b>	<b>100</b>	<b>C</b>	<b>LIC</b>	<b>209.18</b>	<b>17.82</b>
<b>WKLG</b>	<b>FL</b>	<b>Rock Harbor</b>	<b>271</b>	<b>100</b>	<b>C1</b>	<b>LIC</b>	<b>216.63</b>	<b>56.25</b>
<b>WPIK</b>	<b>FL</b>	<b>Summerland Key</b>	<b>273</b>	<b>50</b>	<b>C2</b>	<b>LIC</b>	<b>293.17</b>	<b>139.7</b>

WHPT is the closest station and is used to determine the maximum permissible dBc for WMBX. As shown in Figure 1 below, WMBX's 49.5 F(50,10) does not reach WHPT's protected 60 dBu F(50,50) contour. Therefore, applicant is permitted to use a digital ERP of up to -10 dBc.

The transmitter the applicant will use is capable of a digital ERP of -13 dBc (5.01% of ERP). At 100 kW analog ERP, the digital ERP will be 5.01 kW.



**Figure 1**  
Maximum Permissible FM Digital ERP Study  
WMBX and WHPT

WMBX - 272C1  
27-01-31 N & 080-10-43 W  
ERP: 100.00 kW  
RC-AMSL: 299.0 m

WHPT - 273C  
27-24-30 N & 082-15-00 W  
ERP: 100.00 kW; HAAT: 503.0 m  
RC-AMSL: 520.0 m

Scale 1:1,073,333  
0 13.33 26.67 40 km