

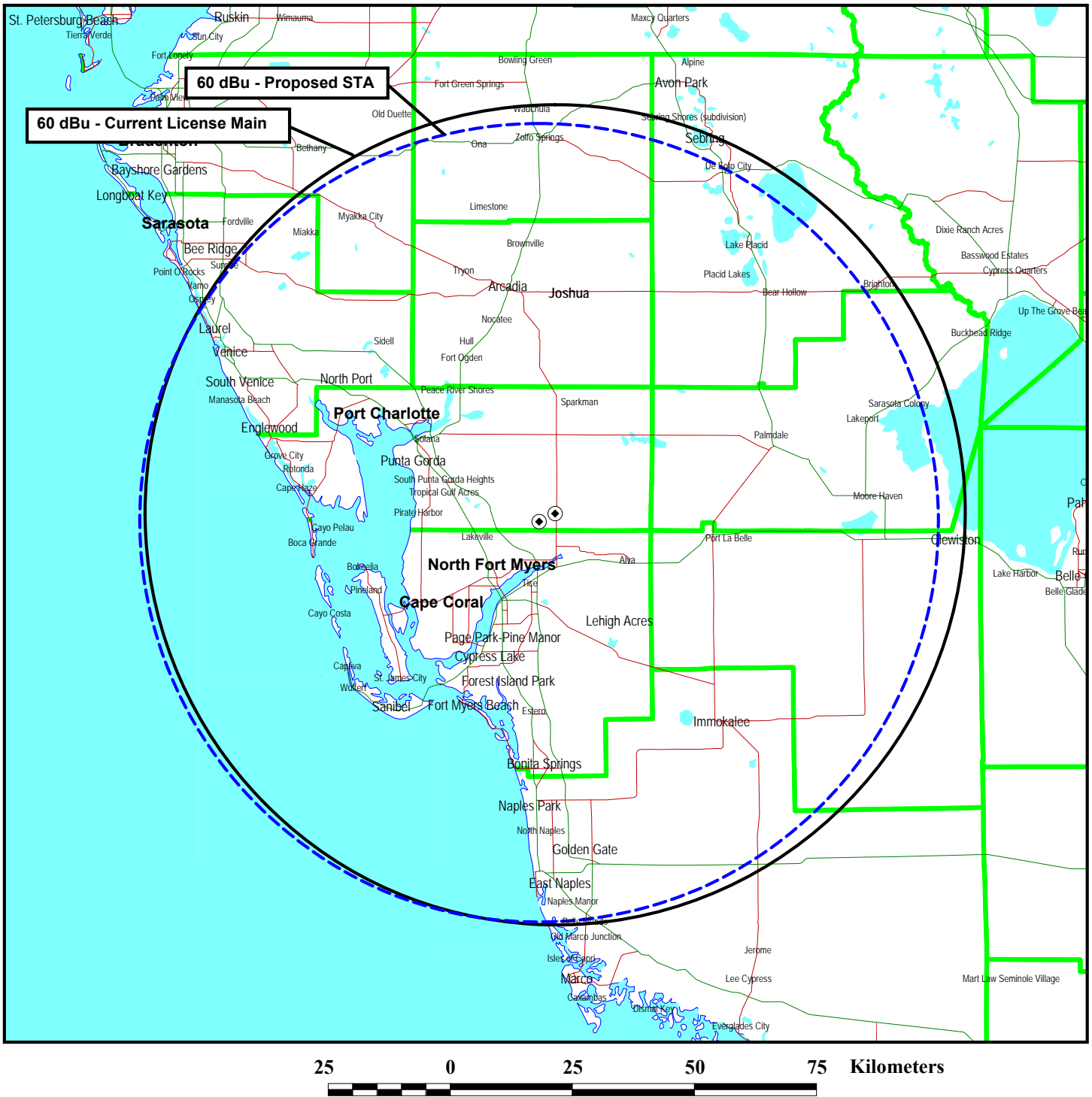
TECHNICAL SUMMARY
APPLICATION FOR AN STA
FM STATION WINK-FM
FORT MYERS, FLORIDA
CH 245 C (96.9 MHz) 80 KW (ND) 457 M

1. Circumstances Requiring STA: The tower supporting the WINK-FM main antenna is being rebuilt as part of the TV repack. The proposed STA operation will be from a registered tower (ASRN 1213076) with a nondirectional ERP of 80 kW (H&V), an RCAGL of 456 meters, an RCAMSL of 465 meters and an HAAT of 457 meters.

2. The herein proposed STA 60 dBu contour will be located entirely within the land portion of the licensed 60 dBu as shown on the attached Figure 1 (there is some extension over the Gulf of Mexico which is permitted).

3. RFR Compliance: The proposed STA facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public based on the FCC's FM Model software. It is proposed to side-mount an ERI model SHPX-5AC 5-bay, 1 wavelength spaced antenna at the 456 meter (1496 foot) level on the existing tower. The total ERP is 160 kW (horizontal and vertical polarization). Figure 2 depicts the output of the FCC's FM Model program. As indicated, a maximum power density of 1.96 uW/cm² will occur at a point located 160 meters from the tower. This is only 0.98% of the FCC's recommended limit of 200 uW/cm² for FM stations for an uncontrolled environment. Thus, it is believed that the WINK-FM STA facility is in full compliance with the FCC's requirements with regard to radio frequency radiation exposure. Access to the transmitting site is restricted and appropriately marked with RFR warning signs. Furthermore, a protocol shall be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to RF energy exposure.

Figure 1



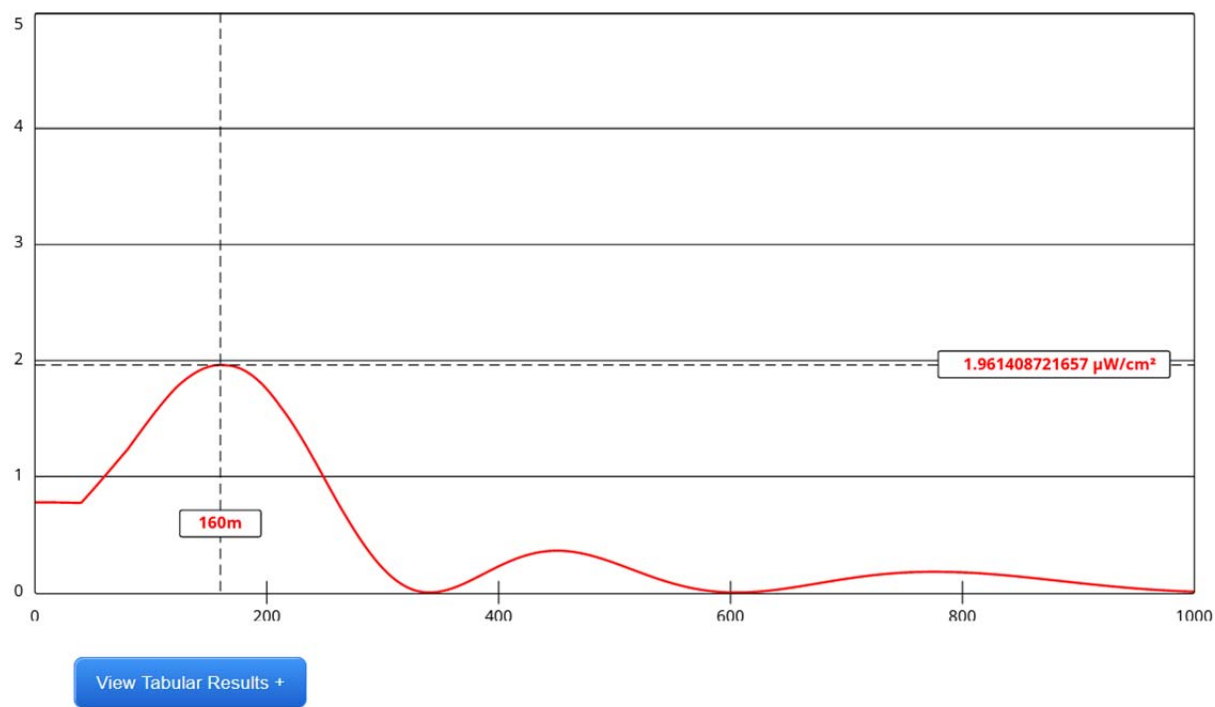
PROPOSED STA OPERATION

STATION WINK-FM
FORT MYERS, FLORIDA
CH 245C 80 KW 457 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2

FM Model Output:



Channel Selection	Channel 245 (96.9 MHz) ▾		
Antenna Type +	EPA Type 3: Opposed U Dipole ▾		
Height (m)	<input type="text" value="456"/>	Distance (m)	<input type="text" value="1000"/>
ERP-H (W)	<input type="text" value="80000"/>	ERP-V (W)	<input type="text" value="80000"/>
Num of Elements	<input type="text" value="5"/>	Element Spacing (λ)	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	