

TECHNICAL SUMMARY  
STA REQUEST  
LOW POWER DIGITAL STATION WUVF-LD  
NAPLES, FLORIDA  
CHANNEL 18 15 KW (ND)

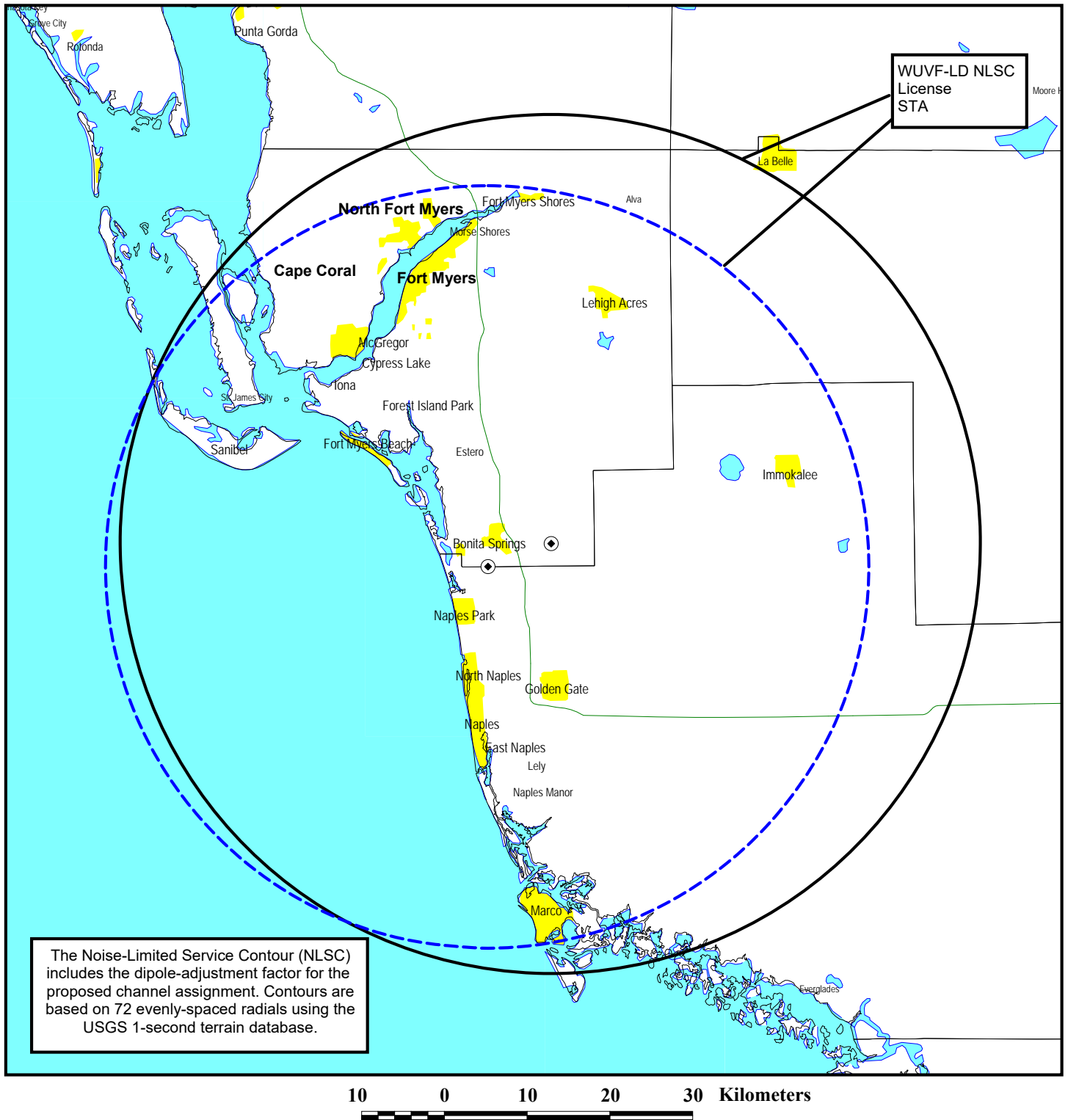
1. The instant application is for an STA to operate WUVF-LD on channel 18 from its formerly licensed site (BLDTL-20140313ABX, ASRN 1027587) using its formerly licensed antenna (SWR model SWLP16OI) with a maximum ERP of 4 kW. The RCAMSL will be 216.3 meters. No other changes are proposed.

2. The proposed STA antenna system has been designed such that there will be no extension of the predicted noise-limited service contour of the STA facility beyond that of the currently licensed (LMS File No. 0000120837) main facility (see Figure 1 attached).

3. RFR Compliance: The proposed facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at ground level to workers and the general public. The radiation center for the proposed antenna will be located 212 meters above ground level. The total average digital ERP is 4 kW (horizontal polarization). A worst-case vertical plane relative field value of 1.0 is presumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is  $3.03 \text{ uW/cm}^2$ , which is only 0.91% of the FCC's recommended limit of  $331.3 \text{ uW/cm}^2$  for channel 18 for an uncontrolled environment. Therefore, the proposed STA operation complies with the FCC's RFR exposure requirements.

Access to the transmitting site shall be restricted and appropriately marked with RFR warning signs. Furthermore, as this is a multi-user site, a formal RFR protection protocol is 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 RFR exposure. Such measures include limiting the exposure time, wearing protective clothing, reducing power to an acceptable level or termination of transmitter output power all together until workers leave the restricted area.

Figure 1



## FCC PREDICTED COVERAGE CONTOURS

STA OPERATION  
LPTV STATION WUVF-LD  
NAPLES, FLORIDA  
CH 18 4 KW (ND)

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