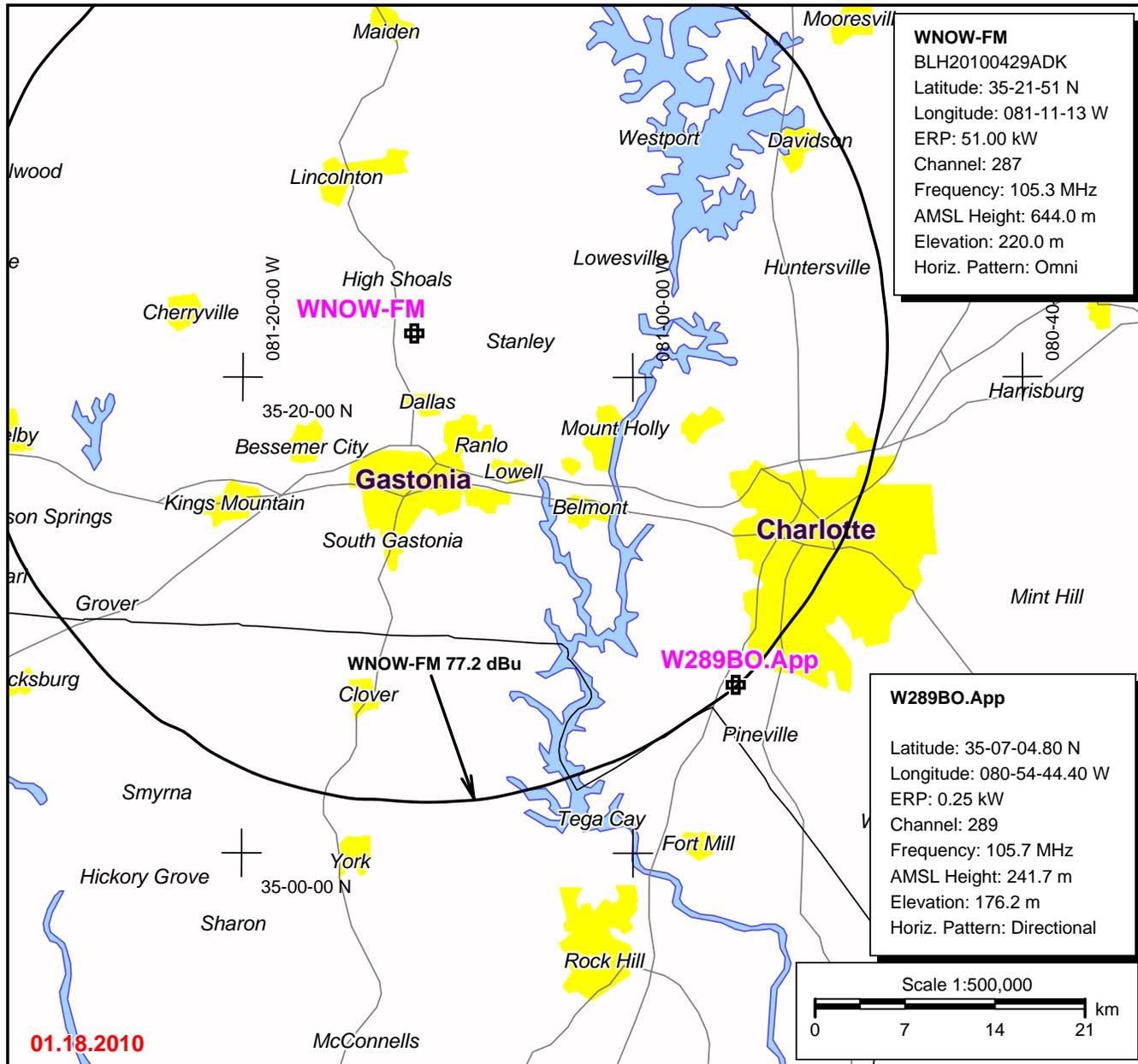


# Exhibit 12A - W289BO Protection of WNOW 287C1 Gaffney SC

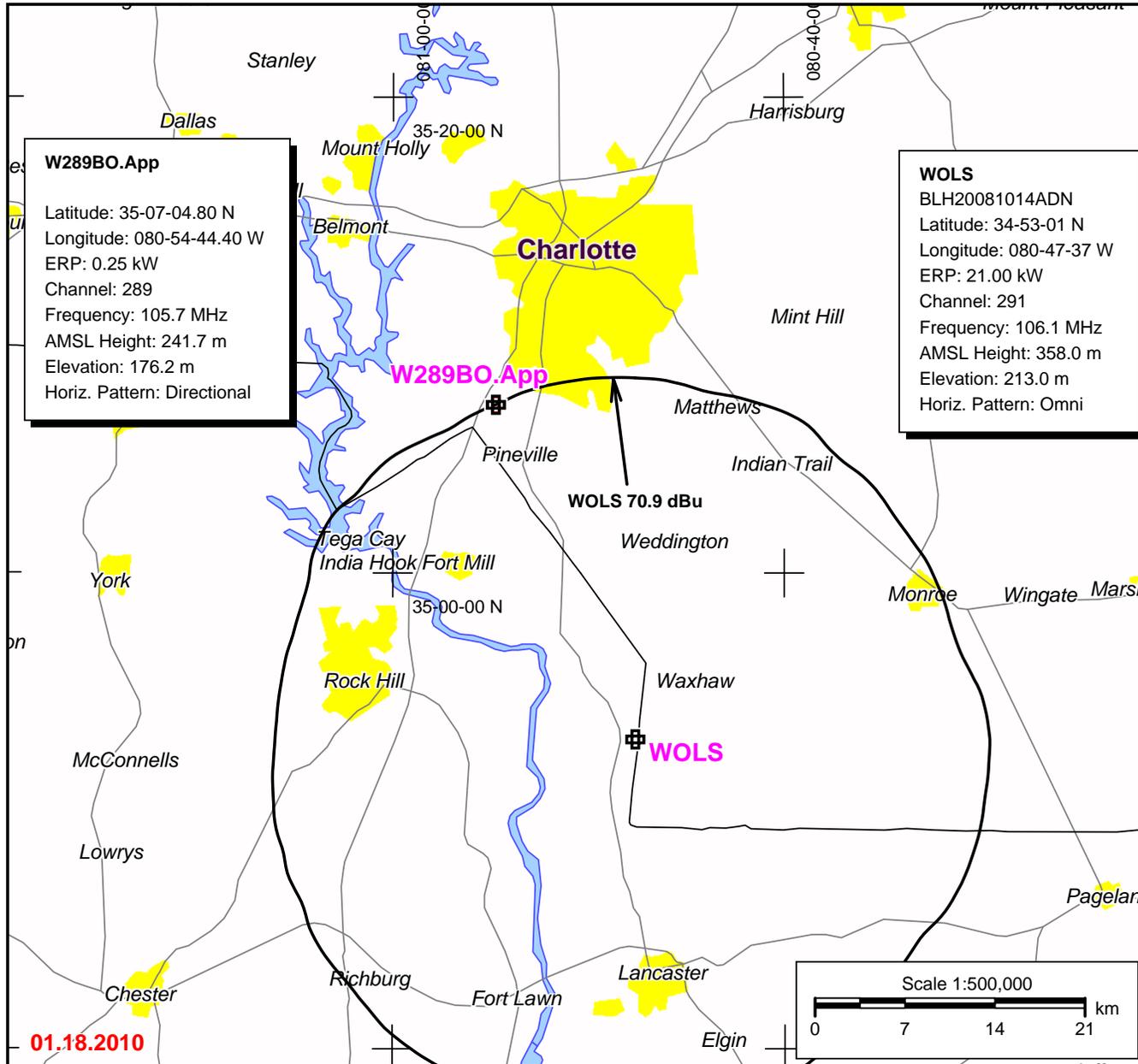


## W289BO Protection of WNOW-FM Compliance with 47 CFR 74.1204

The signal strength of second adjacent WNOW-FM Gaffney NC is 77.2 dBu at the proposed W289BO Tower Site. The desired to undesired signal ratio defined by 47 C.F.R. 74.1204 for second adjacent relationships is 40 dBu. Therefore, the interfering signal strength from the proposed translator to WNOW-FM is 117.2 dBu.

If the vertical radiation is no more than predicted from a Shively Model 6812B 3-bay full-wave antenna then the interfering F(50,10) 117.2 dBu contour will not be present within 9 meters of the ground. Therefore the instant proposal satisfies the rules.

# Exhibit 12B - W289BO Protection of WNOW 291 C2 Waxhaw NC



**W289BO.App**  
 Latitude: 35-07-04.80 N  
 Longitude: 080-54-44.40 W  
 ERP: 0.25 kW  
 Channel: 289  
 Frequency: 105.7 MHz  
 AMSL Height: 241.7 m  
 Elevation: 176.2 m  
 Horiz. Pattern: Directional

**WOLS**  
 BLH20081014ADN  
 Latitude: 34-53-01 N  
 Longitude: 080-47-37 W  
 ERP: 21.00 kW  
 Channel: 291  
 Frequency: 106.1 MHz  
 AMSL Height: 358.0 m  
 Elevation: 213.0 m  
 Horiz. Pattern: Omni

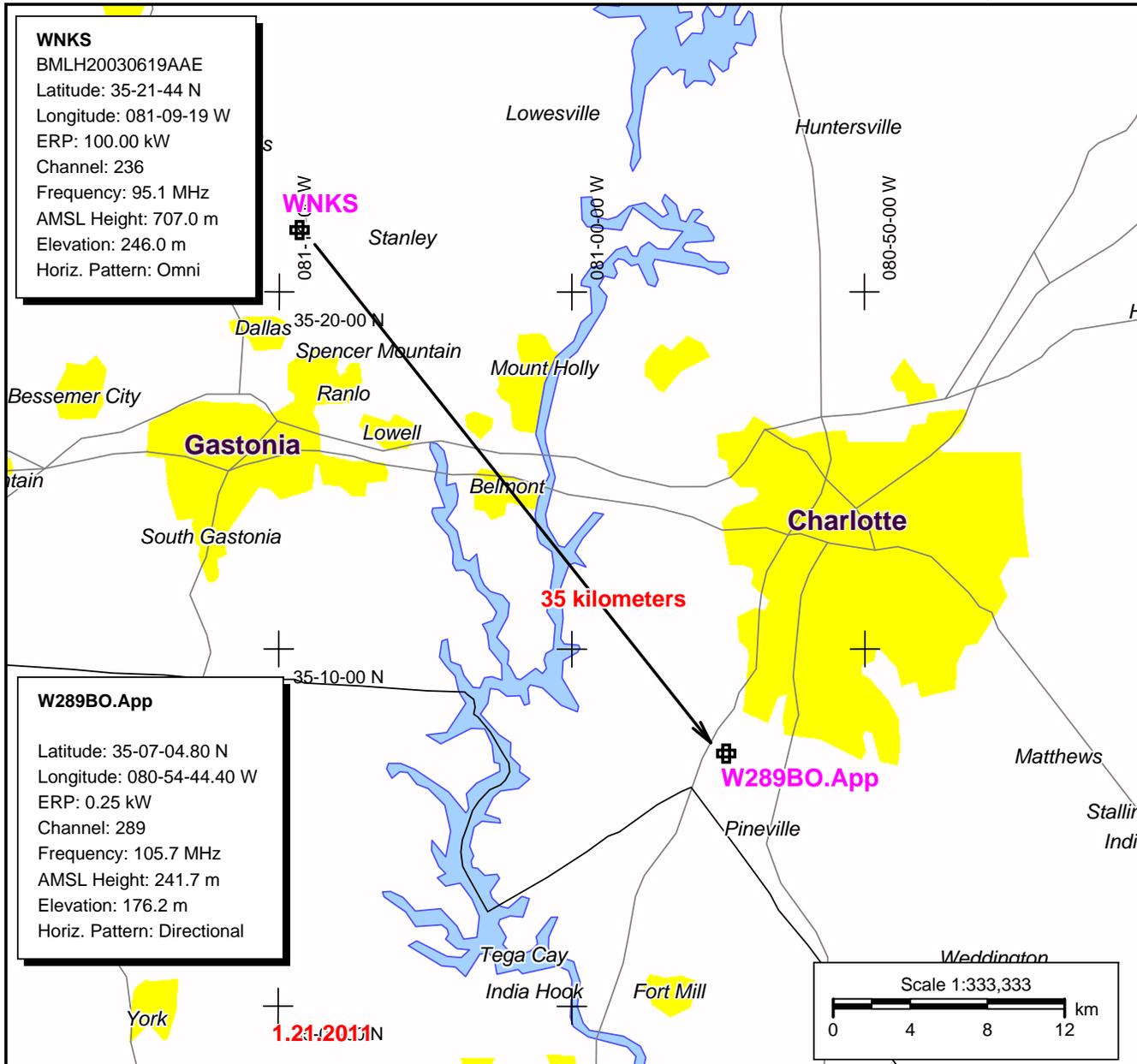
## W289BO Protection of WOLS Compliance with 47 CFR 74.1204

The signal strength of second adjacent WOLS Waxhaw NC is 70.9 dBu at the proposed W289BO Tower Site. The desired to undesired signal ratio defined by 47 C.F.R. 74.1204 for second adjacent relationships is 40 dBu. Therefore, the interfering signal strength from the proposed translator to WOLS is 110.9 dBu.

If the vertical radiation is no more than predicted from a Shively Model 6812B 3-bay full-wave antenna then the interfering F(50,10) 110.9 dBu contour will not come within 9 meters of the ground. Therefore the instant proposal satisfies the rules.

01.18.2010

# Exhibit 12C - W289BO Protection of WNKS 236C Charlotte, NC



## W289BO Protection of WNKS Compliance with 47 CFR 73.207

The tower site for WNKS Charlotte NC is located 35 kilometers away from the proposed W289BO tower site. 47 CFR 73.207 regarding i.f. relationships between stations 53 or 54 channels removed in frequency requires that there be a minimum of 29 km between the two facilities. Therefore the instant proposal satisfies the rules as they pertain to WNKS.