Exhibit 12
Portsmouth, VA

REFERENCE
36 51 39 N
76 21 13 W

CH# 227D - 93.3 MHz, Pwr= 0.019 kW, HAAT=107.0 M, COR= 107 M
Average Protected F(50-50)= 7.07 km
Ave. F(50-10) 40 dBu= 23.6 54 dBu= 10.0 80 dBu= 2.0 100 dBu= .3

DISPLAY DATES
DATA 10-09-03
SEARCH 10-16-03

| CH CALL / CITY | TYPE / STATE | AZI. <-- | DIST / FILE # | LAT. / LNG. | Pwr(kW) / HAAT(M) | COR(M) / INT(km) | PRO(km) / LICENSEE | *IN* (Overlap in km) | *OUT* (Overlap in km) |
|---|---|---|---|---|---|---|---|---|---|
| 227D AP227<br>Portsmouth | APP C<br>VA | 0.0<br>180.0 | 0.00<br>BNPFT20030313BCZ | 36 51 39<br>76 21 13 | 0.019<br>103 | 103<br>23.6 | 6.9<br>Educational Media Foundati | -30.22* | -30.56* |
| 227D AP227<br>Portsmouth | APP C<br>VA | 39.0<br>219.0 | 0.04<br>BNPFT20030811AAU | 36 51 40<br>76 21 12 | 0.019<br>106 | 107<br>23.6 | 7.0<br>Educational Media Foundati | -30.55* | -30.62* |
| 225B WWSOFM<br>Suffolk | LIC CN<br>VA | 297.4<br>117.4 | 3.76<br>BMLH19880519KD | 36 52 35<br>76 23 28 | 50.000<br>150 | 150<br>0.6 | 65.1<br>Chesapeake Bay Broadcastin | -9.27* | -61.91* |
| 229C1 WKOC<br>Chesapeake | LIC CN<br>VA | 157.0<br>337.0 | 37.58<br>BMLH19941208KC | 36 32 57<br>76 11 21 | 100.000<br>287 | 288<br>0.3 | 71.3<br>Commonwealth Radio, L.l.c. | 20.60 | -34.07* |
| 229C1 WKOC.C<br>Chesapeake | CP CX<br>VA | 156.9<br>336.9 | 37.68<br>BPH20000502AAV | 36 32 55<br>76 11 16 | 100.000<br>296 | 297<br>0.3 | 72.1<br>Commonwealth Radio, L.l.c. | 20.55 | -34.70* |
| 227C WERO«<br>Washington | LIC CN<br>NC | 209.6<br>29.6 | 190.55<br>BLH19791206AF | 35 21 55<br>77 23 38 | 100.000<br>545 | 554<br>23.6 | 89.4<br>Nm Licensing, Llc | -10.44 | 77.62 |

"*"Affixed to 'IN' or 'Out' values = site inside protected contour.
ERP and HAAT are on direct line to and from reference station.
"«" = Station meets FCC minimum distance spacing for its class.

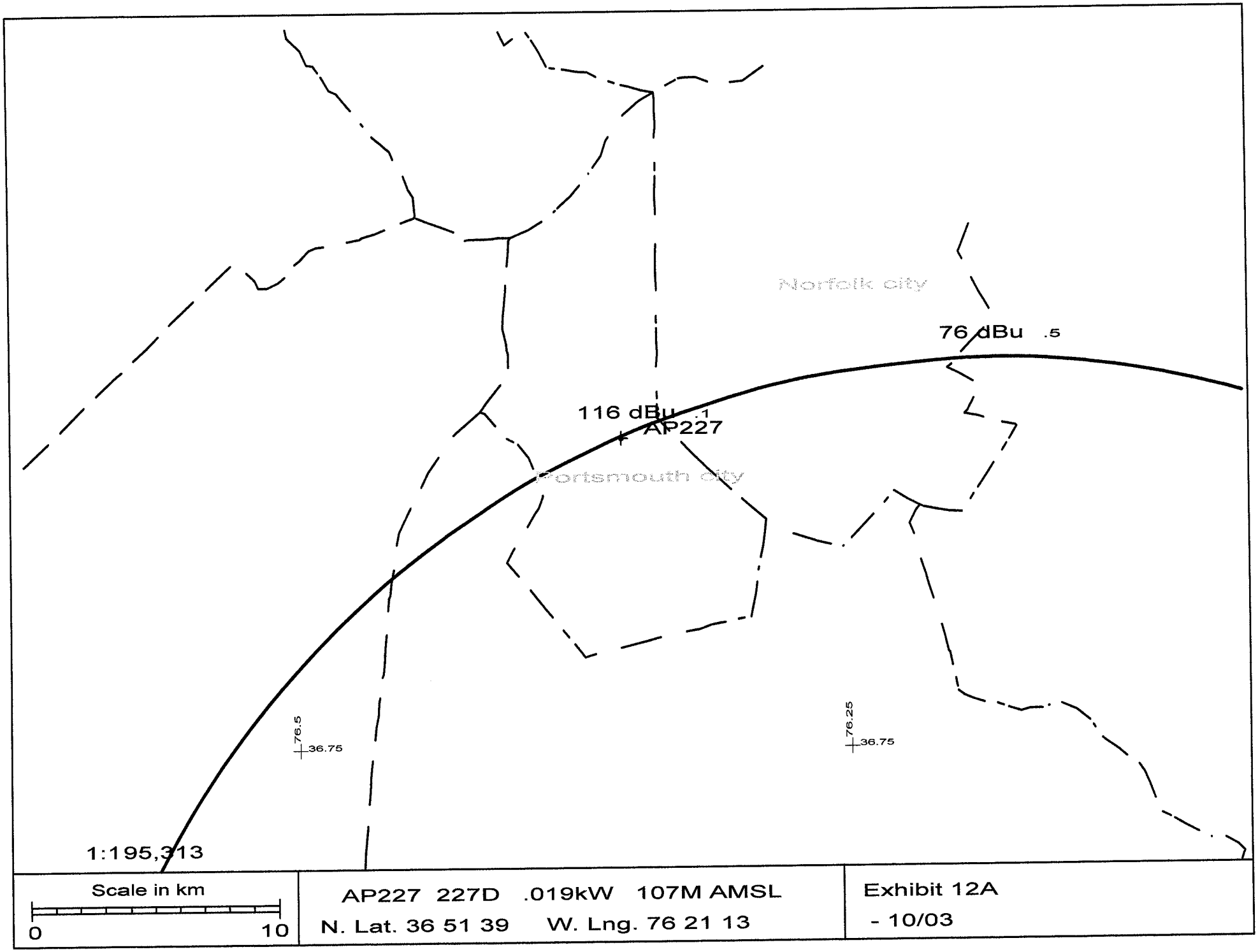
## Exhibit 12 (Compliance with CFR 74.1204)

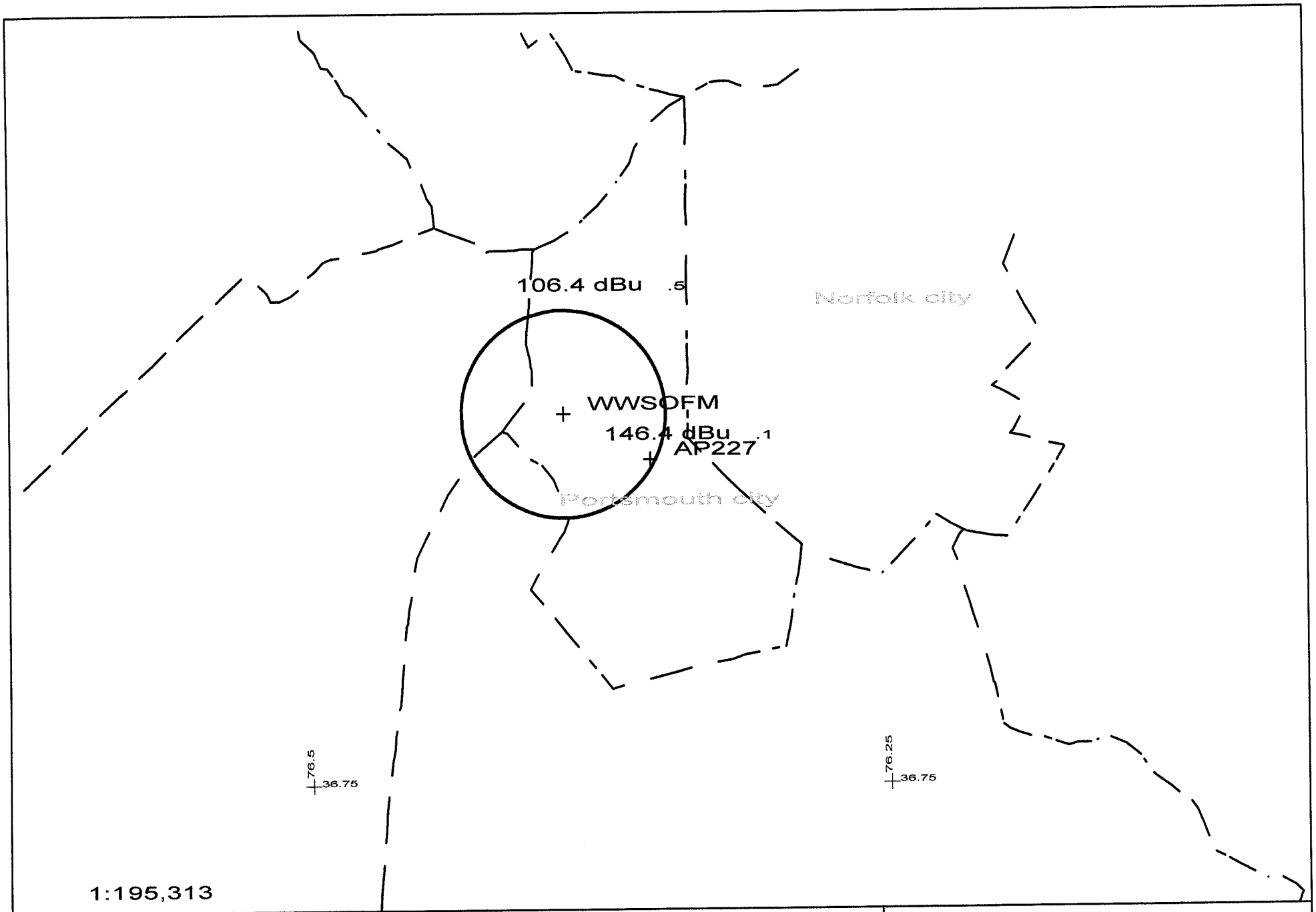
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WKOC, channel 229C1, Chesapeake, VA. The predicted F(50-50) field strength of WKOC at the proposed translator site is 76 dBu, *see Exhibit 12A*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 116 dBu. This interfering contour extends less than 48 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 104 meter level on a 146 meter tower).

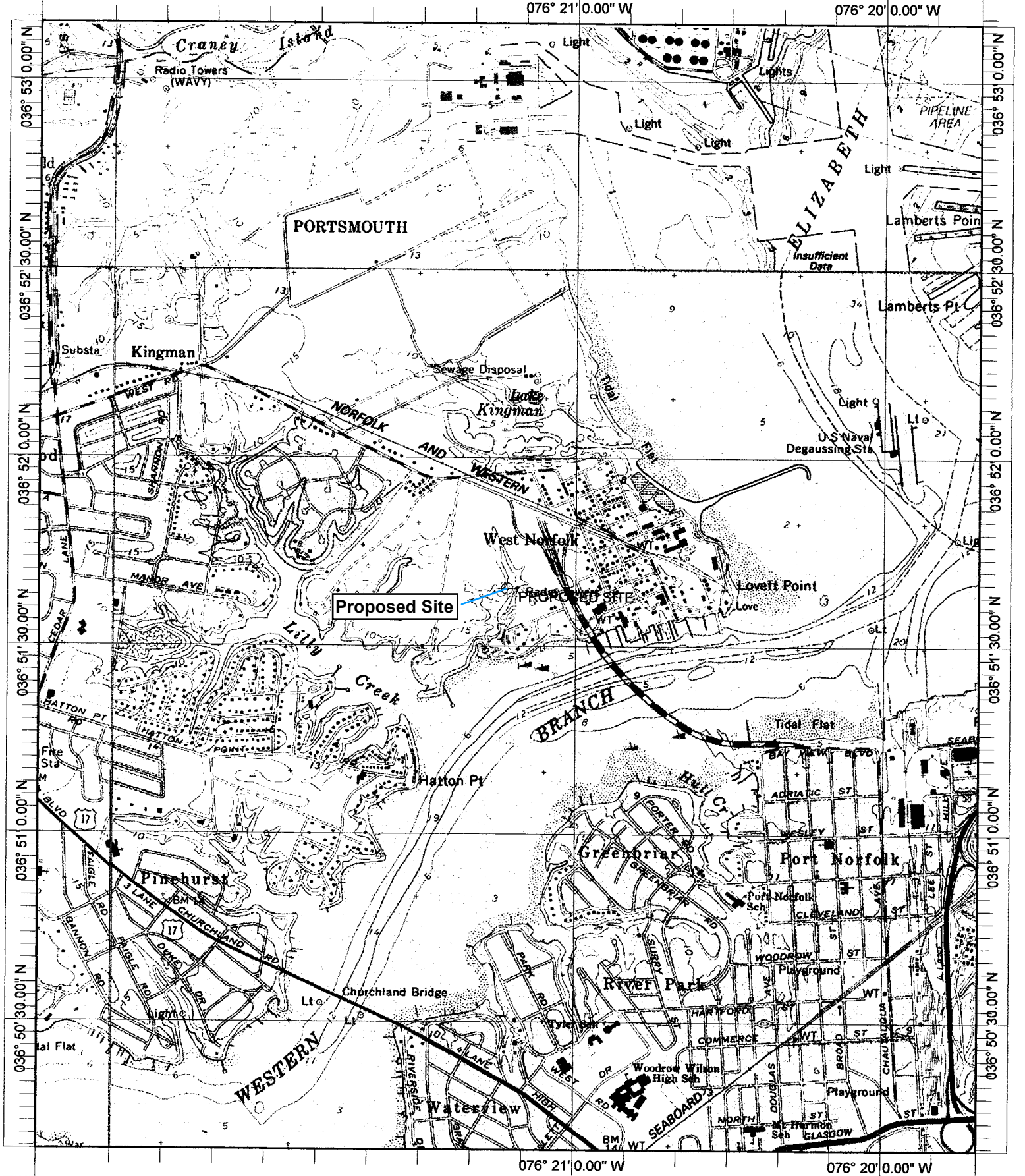
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WWSO, channel 225B, Suffolk, VA. The predicted F(50-50) field strength of WWSO at the proposed translator site is 106.4 dBu, *see Exhibit 12B*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 146.4 dBu. This interfering contour extends less than 2 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 104 meter level on a 146 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map, which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 48-meter interference aperture.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.


Norfolk city
76 dBu .5
116 dBu .1
AP227
Portsmouth city
76.5
36.75
76.25
36.75
1:195,313
Scale in km
0
10
AP227 227D .019kW 107M AMSL
N. Lat. 36 51 39 W. Lng. 76 21 13
Exhibit 12A
- 10/03


106.4 dBu .5
Norfolk city
WWSOFM
146.4 dBu .1
AP227
Portsmouth city
76.5
36.75
76.25
36.75
1:195,313
Scale in km
0
10
AP227 227D .019kW 107M AMSL
N. Lat. 36 51 39 W. Lng. 76 21 13
Exhibit 12B
- 10/03




Name: NORFOLK SOUTH
Date: 10/16/2003
Scale: 1 inch equals 2000 feet

Caption: Exhibit 12
36-51-39 / 76-21-13