

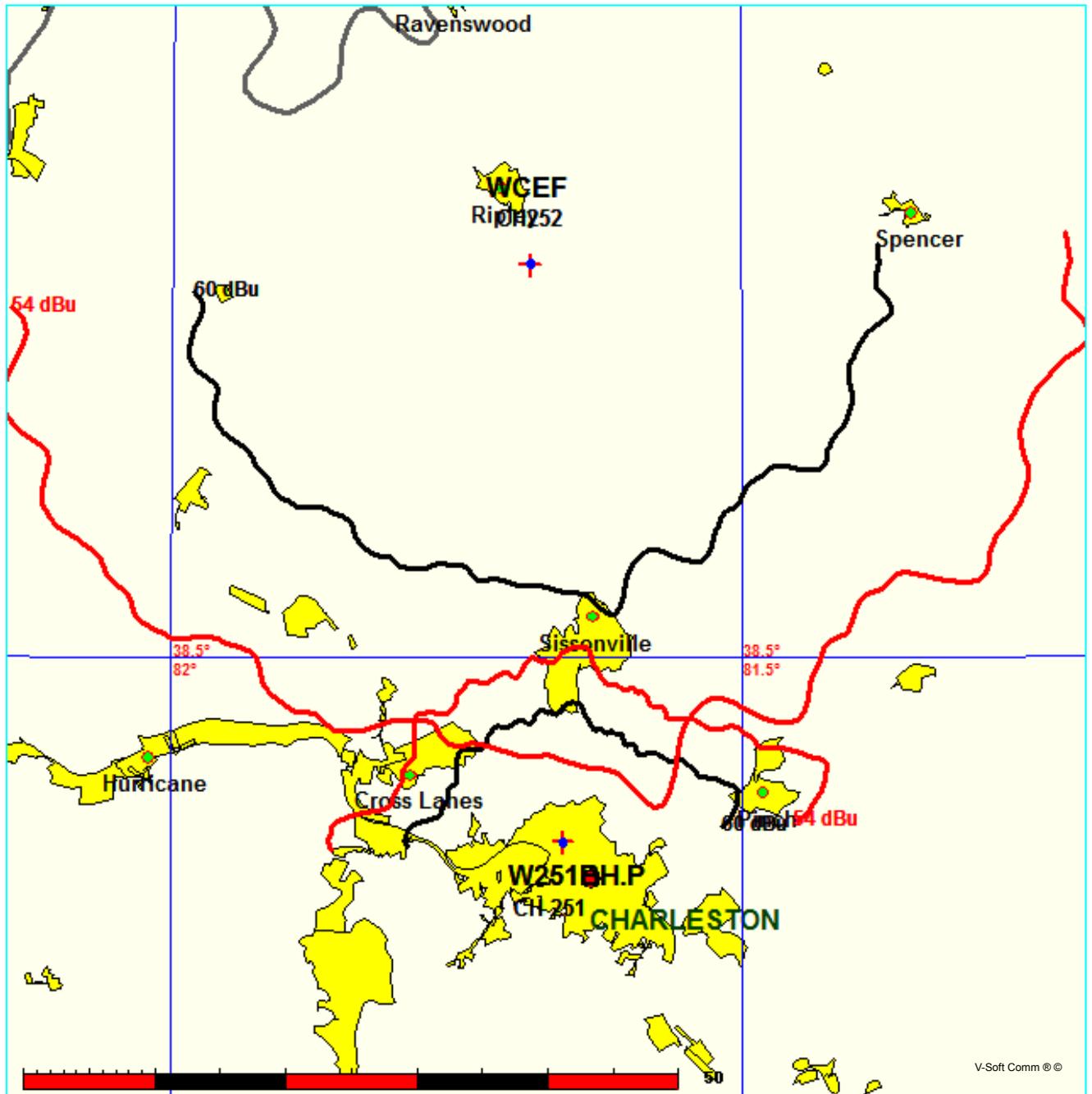


Educational Media Foundation

FMCommander Single Allocation Study - 07-03-2012 - NGDC 30 SEC  
W251BH.P's Overlaps (In= -3.42 km, Out= 5.74 km)

W251BH.P CH 251 D DA  
Lat= 38 22 31.6, Lng= 81 39 23.4  
0.25 kW 94.1 M HAAT, 350 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

WCEF CH 252 A BLH20081010ABE  
Lat= 38 46 04.0, Lng= 81 41 09.0  
6.0 kW 94 M HAAT, 339.1 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

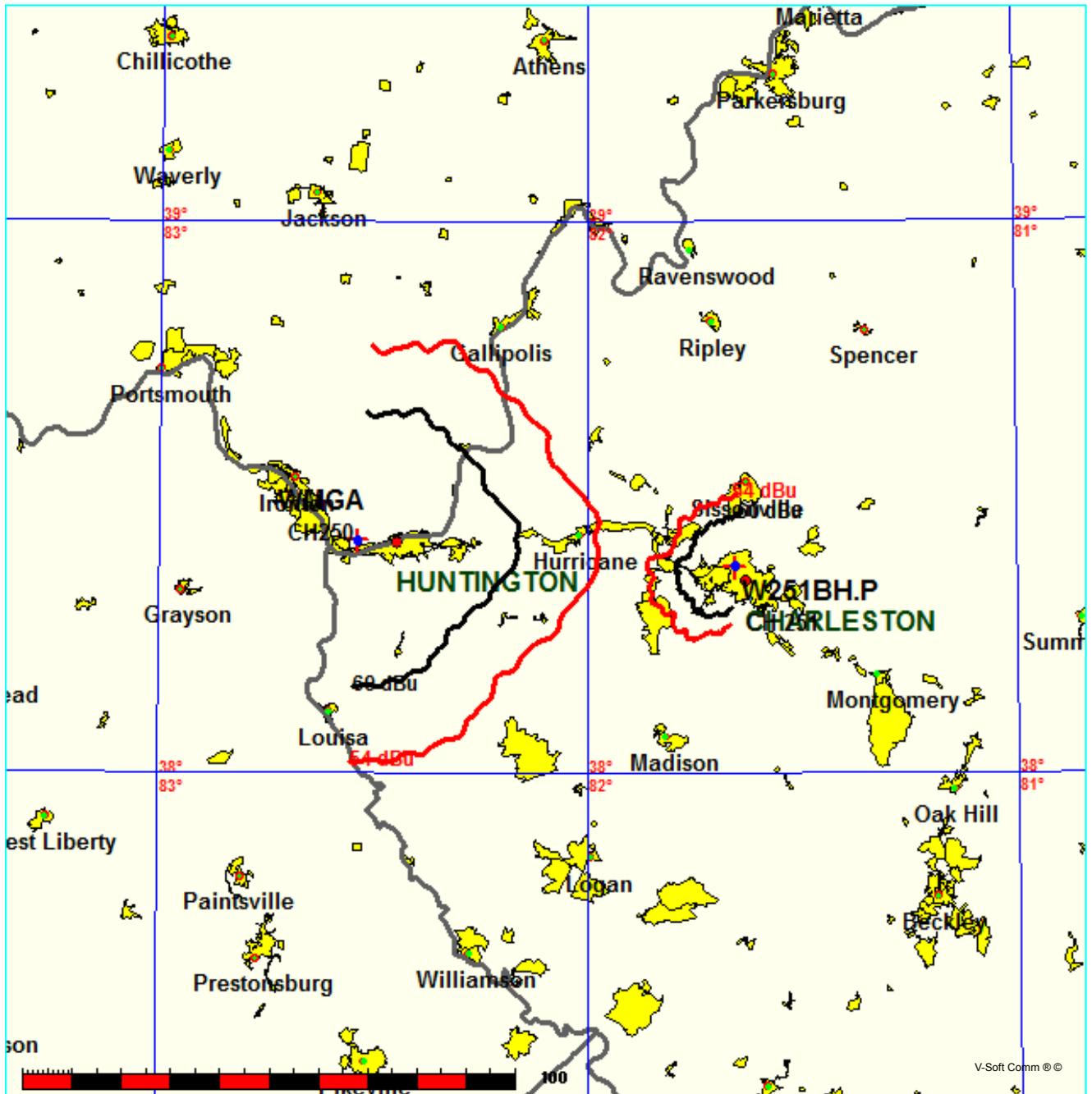


Educational Media Foundation

FMCommander Single Allocation Study - 07-03-2012 - NGDC 30 SEC  
W251BH.P's Overlaps (In= 16.12 km, Out= 26.74 km)

W251BH.P CH 251 D DA  
Lat= 38 22 31.6, Lng= 81 39 23.4  
0.25 kW 94.1 M HAAT, 350 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

WMGA CH 250 A 73.215 N BLH20060313ABM  
Lat= 38 25 26.0, Lng= 82 32 08.0  
3.5 kW 133 M HAAT, 350 M COR  
Prot.= 60 dBu, Intef.= 54 dBu



**Compliance with C.F.R. 74.1204**

The proposed FM Translator is located within the protected 54dBu contour of third adjacent channel station WQBE, channel 248B, Charleston, WV. According to 74.1204(a)(3), in order to protect second and third adjacent facilities, the difference in dBu between the two facilities must not exceed 40dBu.

The proposed ERP for W251BH:	250 watts
The proposed COR for W251BH:	40 meters
WQBE F(50/50) contour at proposed site:	97.6 dBu
The F(50/10) contour of proposed W251BH	137.6dBu
The predicted distance to W251BH interference contour:	14.7 meters

The signal is predicted to not reach the ground. As can be seen in Exhibit 13–A1, there are no regularly occupied structures at the base of the tower and there are no structures which could be tall enough to enter the 14.7 meter aperture.

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

**Compliance with C.F.R. 74.1204**

The proposed FM Translator is located within the protected 60dBu contour of third adjacent channel station WRVZ, channel 254A, Pocatalico, WV. According to 74.1204(a)(3), in order to protect second and third adjacent facilities, the difference in dBu between the two facilities must not exceed 40dBu.

The proposed ERP for W251BH:	250 watts
The proposed COR for W251BH:	40 meters
WRVZ F(50/50) contour at proposed site:	91.2 dBu
The F(50/10) contour of proposed W251BH	131.2dBu
The predicted distance to W251BH interference contour:	30.6 meters

The signal is predicted to not reach the ground. As can be seen in Exhibit 13–A1, there are no regularly occupied structures at the base of the tower and there are no structures which could be tall enough to enter the 30.6 meter aperture.

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

Exhibit 13-A1



Google earth



NAD 27  
38-22-31.6  
81-39-23.4