

Channel Study

REFERENCE		CH# 237D - 95.3 MHz, Pwr= 0.01 kW, HAAT=149.3M, COR= 513 M								DISPLAY DATES	
39 30 45.0 N.		Average Protected F(50-50)= 7.1 km								DATA 05-14-07	
80 08 45.0 W.										SEARCH 05-14-07	
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*	
237D Bridgeport	W238AR	CP C WV	173.9 353.9	15.17 BMPFT20060117ADB	39 22 36.0 80 07 37.0	0.250 163	53.6 491	16.7 Educational Media Foundati	-45.84	-26.63*	
240A Grafton	WDKL	LIC CX WV	149.2 329.3	20.44 BMLED20021114ABK	39 21 16.0 80 01 27.0	6.000 98	2.7 509	28.1 Educational Media Foundati	11.63	-7.84*	
240A Grafton	WDKL	CP CX WV	158.8 338.9	21.91 BPED20061106AAK	39 19 43.0 80 03 13.0	6.000 109	2.8 491	29.4 Educational Media Foundati	12.18	-7.76*	
237A Washington	WJPA-FM	LIC CN PA	354.3 174.3	75.57 BLH19850325LB	40 11 23.0 80 14 02.0	2.150 112	73.2 481	23.7 Washington Broadcasting Co	-4.66	28.11	
234B1 Elkins	WELK	LIC CN WV	155.1 335.4	73.46 BLH19910809KD	38 54 43.0 79 47 19.0	5.000 346	4.0 1015	53.1 Elkins Radio Corporation	62.92	20.09	
235B1 Oliver	WOGG	LIC ZCN PA	47.3 227.6	58.82 BMLH20000815ACW	39 52 11.0 79 38 22.0	0.249 370	1.1 870	29.5 Keymarket Licenses, Llc	49.92	29.05	
238A Burnsville	NEW	CP CX WV	209.3 29.0	75.88 BNPH20060310AFL	38 54 58.0 80 34 30.0	4.060 95	38.5 465	25.3 Radioactive, Llc	29.74	39.78	
239B1 Shadyside	WVKF	LIC ZEX OH	319.9 139.5	80.09 BLH20031203AAG	40 03 41.0 80 45 09.0	6.800 172	3.6 509	43.3 Capstar Tx Limited Partner	69.29	36.43	
236B Elizabeth	WXIL	RSV WV	255.9 75.0	118.02	39 14 47.0 81 28 19.0	50.000 108	71.2 387	58.5 Burbach Of De, Llc	39.74	45.49	
236B Parkersburg	WXIL	LIC CN WV	255.9 75.0	118.02 BMLH19920715KC	39 14 47.0 81 28 19.0	50.000 104	70.5 383	57.8 Burbach Of De, Llc	40.41	46.16	
236B Elizabeth	WXIL	APP CX WV	255.9 75.0	118.02 BPH20070119AAW	39 14 47.0 81 28 19.0	50.000 104	70.5 383	57.8 Burbach Of De, Llc	40.41	46.16	

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

""affixed to 'IN' or 'Out' values = site inside protected contour.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WDKL, channel 240A, Grafton, WV (BMLED20021114ABK). The predicted F(50-50) field strength of WDKL at the proposed translator site is 66.0 dBu, (see attached Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 106.0 dBu. This interfering contour extends approximately 110.9 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WDKL, channel 240A, Grafton, WV (BPED20061106AAK). The predicted F(50-50) field strength of WDKL at the proposed translator site is 65.7 dBu, (see attached Exhibit 12A-2). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 105.7 dBu. This interfering contour extends approximately 114.8 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

Two factors have been investigated to determine this absence of population:

- 1.) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the areas of overlap.
- 2.) Examination of the USGS topographic map (see attached Exhibit 12A-3) reveals no regularly occupied structures within the areas of overlap.

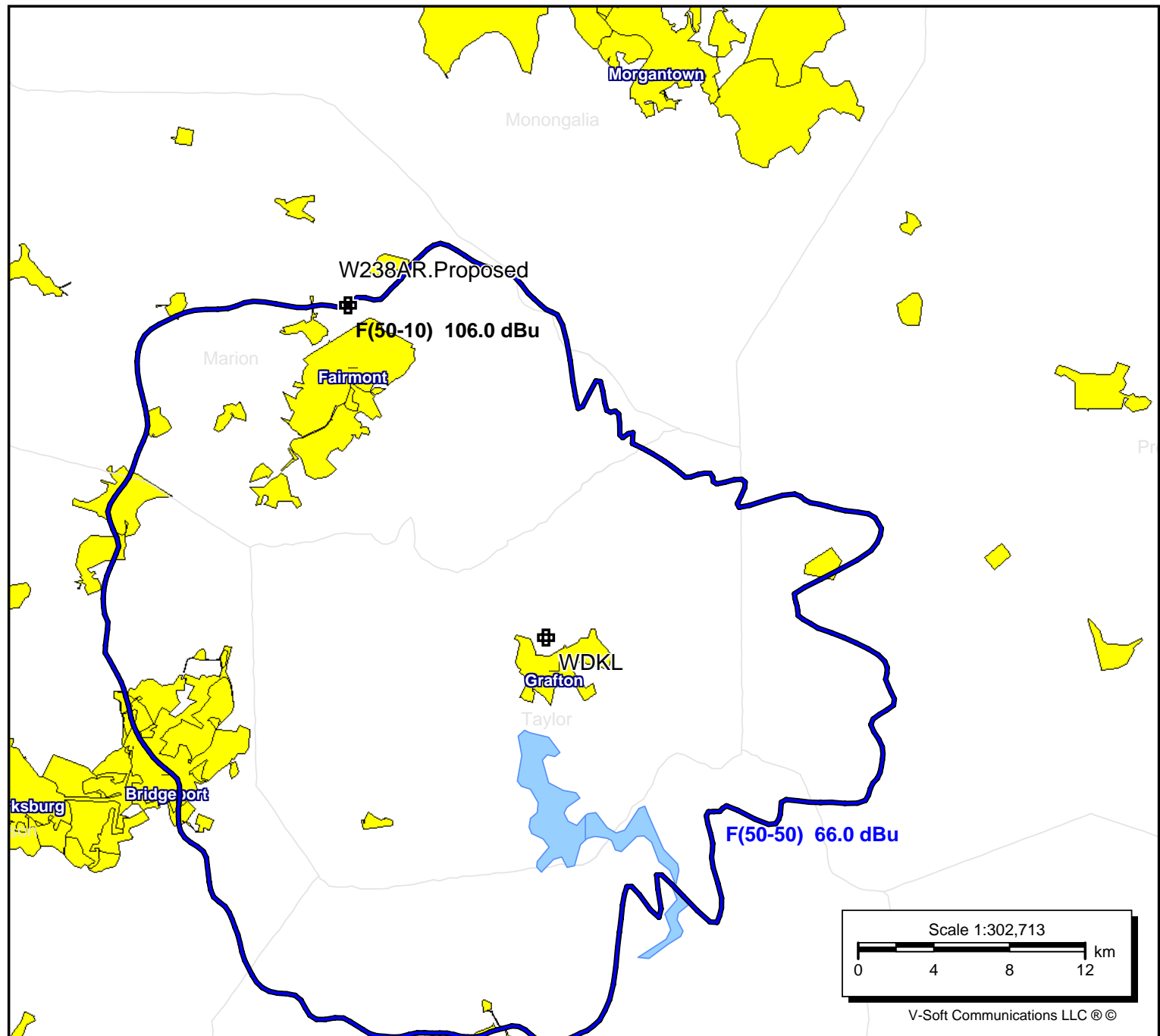
Therefore, EMF respectfully requests a waiver of C.F.R 74.1204 based on no population within the areas of predicted interference.

WDKL

BMLED20021114ABK
Latitude: 39-21-16 N
Longitude: 080-01-27 W
ERP: 6.00 kW
Channel: 240
Frequency: 95.9 MHz
AMSL Height: 509.0 m

W238AR.Proposed

Latitude: 39-30-45 N
Longitude: 080-08-45 W
ERP: 0.01 kW
Channel: 237
Frequency: 95.3 MHz
AMSL Height: 536.0 m

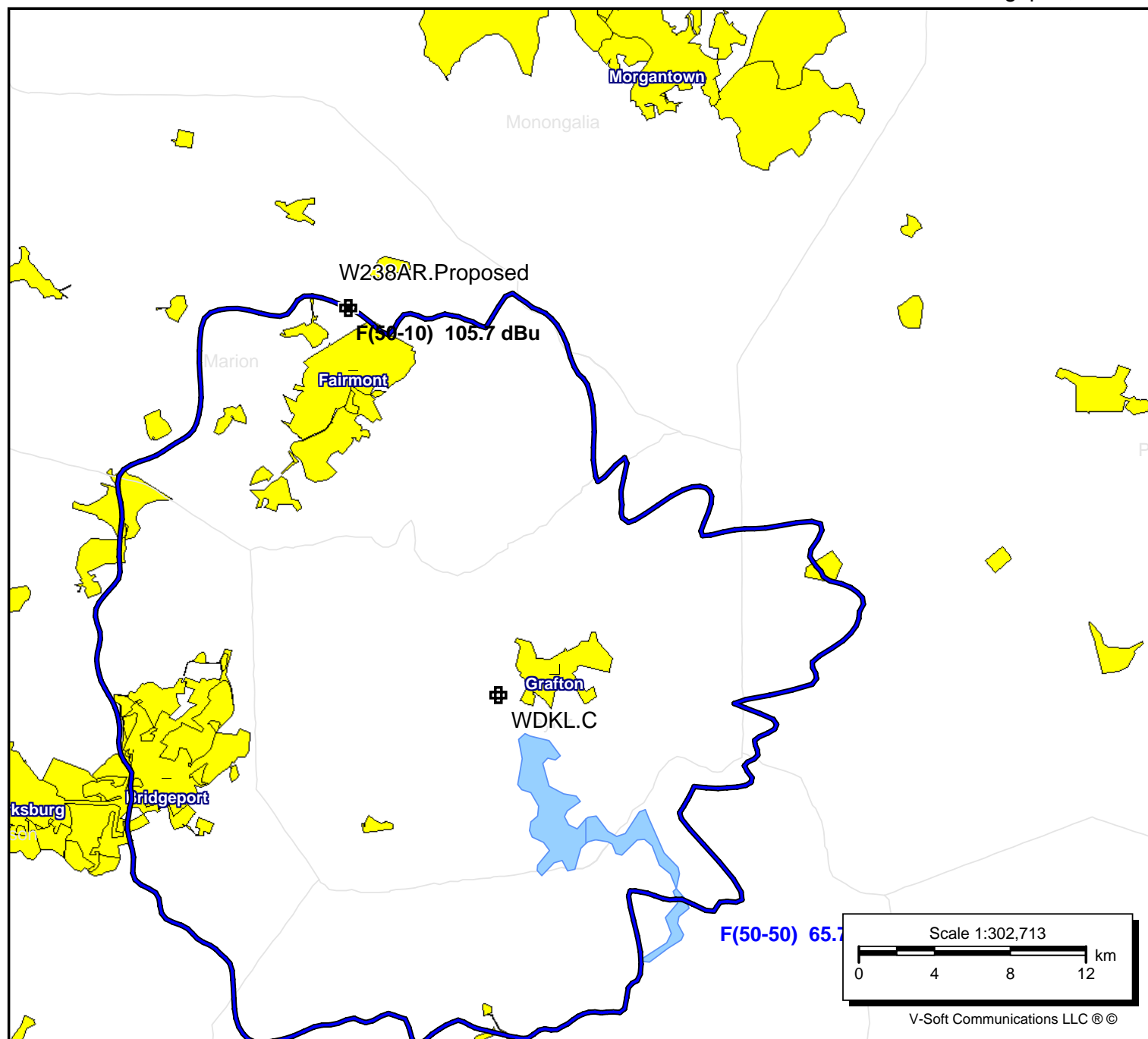


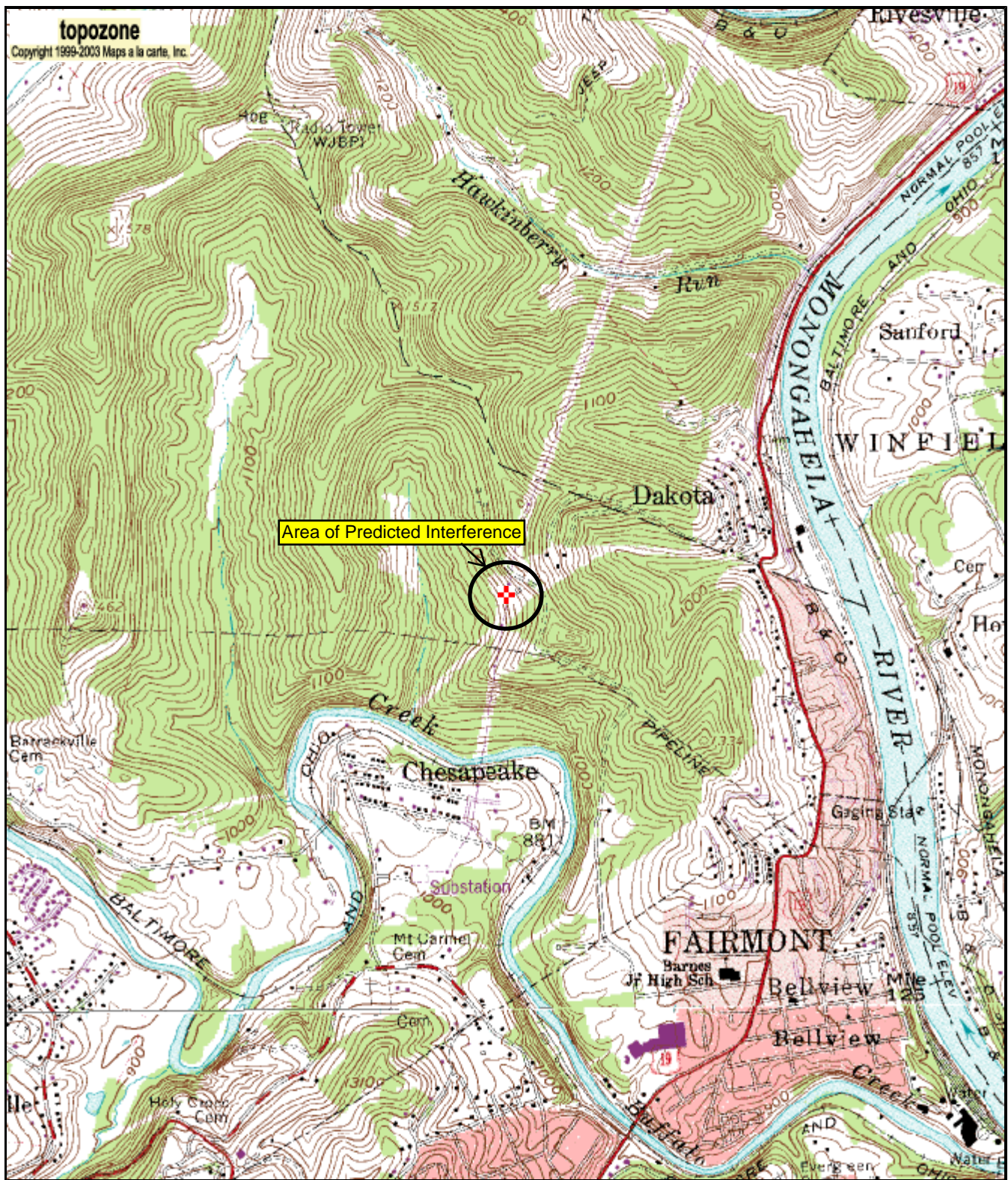
WDKL.C

BPED20061106AAK
Latitude: 39-19-43 N
Longitude: 080-03-13 W
ERP: 6.00 kW
Channel: 240
Frequency: 95.9 MHz
AMSL Height: 491.0 m

W238AR.Proposed

Latitude: 39-30-45 N
Longitude: 080-08-45 W
ERP: 0.01 kW
Channel: 237
Frequency: 95.3 MHz
AMSL Height: 536.0 m





0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi

39° 30' 45"N, 80° 08' 45"W (NAD27)
USGS Grant Town (WV) Quadrangle
Projection is UTM Zone 17 NAD83 Datum

M*
G
M=-8.733
G=0.544