

Exhibit 12  
Cleveland, OH

REFERENCE CH# 279D - 103.7 MHz, Pwr= 0.006 kW, HAAT=114.0 M, COR= 233 M DISPLAY DATES  
41 32 36 N. Average Protected F(50-50)= 5.49 km DATA 10-14-05  
81 35 14 W. Ave. F(50-10) 40 dBu= 17.9 54 dBu= 7.7 80 dBu= 1.6 100 dBu= .2 SEARCH 10-18-05

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
279D Cleveland	W279BT	CP OH	192.3 12.3	6.06 BNPFT20030820AEB	41 29 24 81 36 10	0.010 132	314 22.3	6.7 Educational Media Foundati	-19.00	-9.52*
281B Cleveland	WOAL	LIC OH	211.3 31.3	21.34 BLH19930222KD	41 22 45 81 43 12	11.000 381	587 5.5	69.8 Infi ni ty Radi o Inc.	12.90	-48.80*
281B Cleveland	WOAL. C	CP OH	209.6 29.6	25.83 BPH20050201AAM	41 20 28 81 44 24	12.000 326	574 5.5	66.9 Infi ni ty Radi o Inc.	17.49	-41.36*
277B Cleveland	WCRFFM	LIC OH	192.1 12.1	28.02 BLH19810925AZ	41 17 48 81 39 27	25.500 248	501 6.3	68.2 The Moody Bible Insti tute	18.97	-40.54*
279D Akron	AP279	APP OH	169.8 349.8	50.69 BNPFT20030313BFI	41 05 39 81 28 47	0.010 88	390 17.8	5.5 Educational Media Foundati	30.10	36.30
279D Akron	AP279	APP OH	179.6 359.6	53.15 BNPFT20030312ABE	41 03 53 81 34 59	0.010 179	452 26.2	7.8 Creati ve Educati onal Medi a	24.18	36.47
279D Wadsworth	AP279	APP OH	191.8 11.8	55.94 BNPFT20030317MLU	41 03 01 81 43 26	0.010 134	473 22.5	6.7 Educational Media Foundati	30.63	40.29
279D Green	AP279	APP OH	171.9 351.9	64.93 BNPFT20030317GZH	40 57 52 81 28 42	0.010 122	442 21.4	6.4 Educational Media Foundati	40.72	49.57
279B Ti ffi n	WCKYFM	LIC OH	252.6 72.6	145.92 BLH19850715KW	41 08 20 83 14 45	50.000 145	364 137.0	64.4 Citi casters Li censes, L. p.	4.93	63.22
279B Erie	WRTS	LIC PA	65.4 245.4	149.47 BMLH19871209KC	42 05 25 79 56 37	50.000 137	516 135.9	63.2 Nm Li censing, LI c	10.79	73.79

ERP and HAAT are on direct line to and from reference station.  
\*\*\*affixed to 'IN' or 'Out' values = site inside protected contour.

Tower ID: 1231597

Coordinates (NAD27): 41-32-35.82 N, 081-35-13.55 W

Coordinates (NAD83): 41-32-36 N, 081-35-13 W

Status: Constructed

Structure Type: TOWER

Action Date: 07/16/2005

Construction Date: 04/01/1999

Location: 1280 Hayden Avenue, E. Cleveland, OH

Height (AG): 47.50 m, Elevation: 196.30 m, Structure Height: 42.90 m

Circular Number: N/A

FAA Number: 01-agl-0730-oe    FAA Chapter: NONE

Owner: SpectraSite Communications, Inc

Address:

    Maria Gabriel-OH-1030

    100 Regency Forest Drive, Suite 400

    Cary, NC 27511

Phone: (866) 322-2724

Internet Address: maria.gabriel@spectrasite.com

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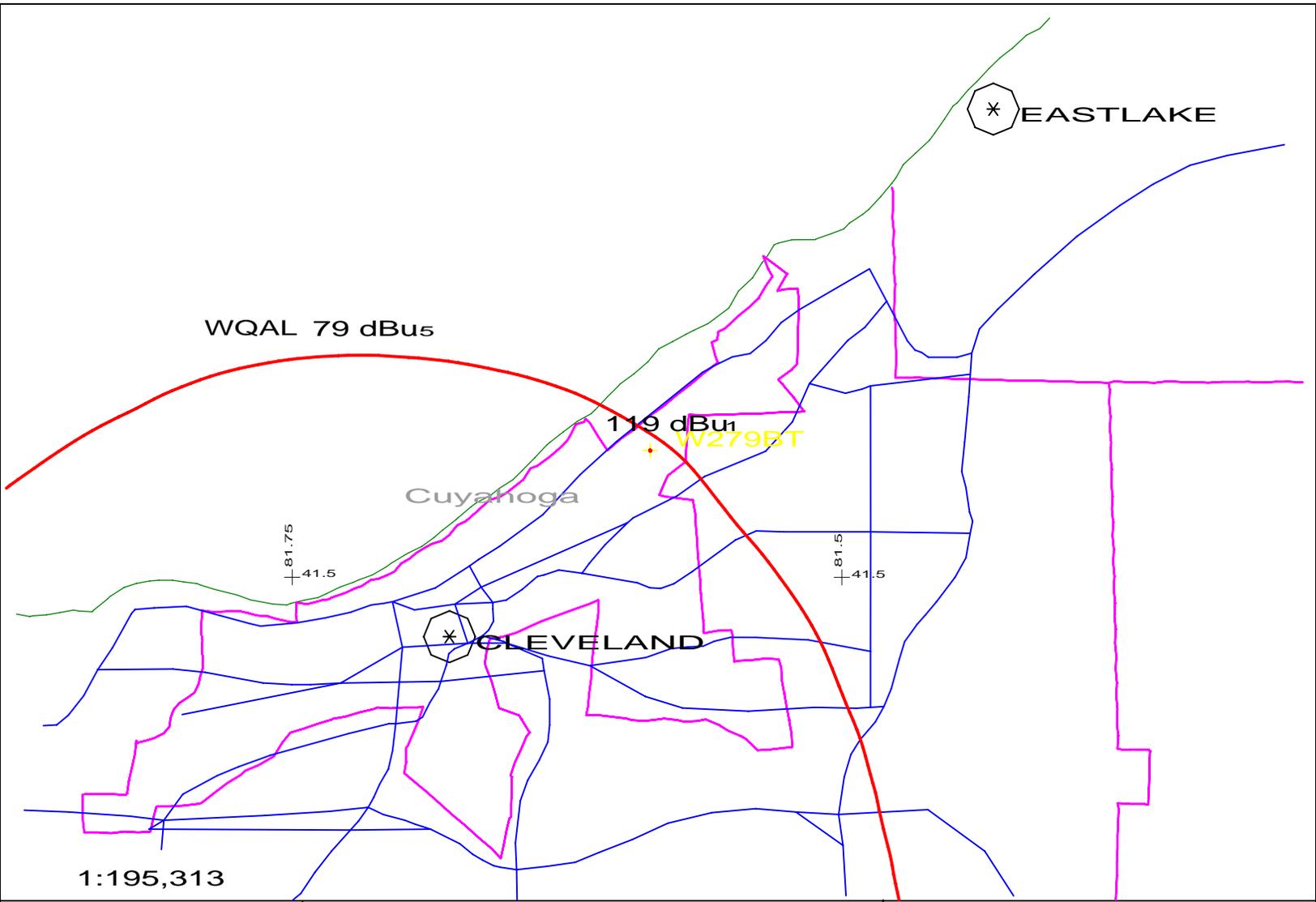
## **Exhibit 12 (Compliance with CFR 74.1204)**

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The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WQAL, channel 281B, Cleveland, OH. The predicted F(50-50) field strength of WQAL at the proposed translator site is 79 dBu, see Exhibit 12A. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 119 dBu. This interfering contour extends less than 19 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 37 meter level on a 48 meter tower).

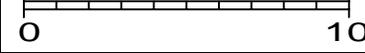
To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map, which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 19-meter interference aperture.

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



1:195,313

Scale in km



W279BT 279D .006kW 233M AM  
 N. Lat. 41 32 36 W. Lng. 81 35 14

Exhibit 12  
 EMF - 10/05

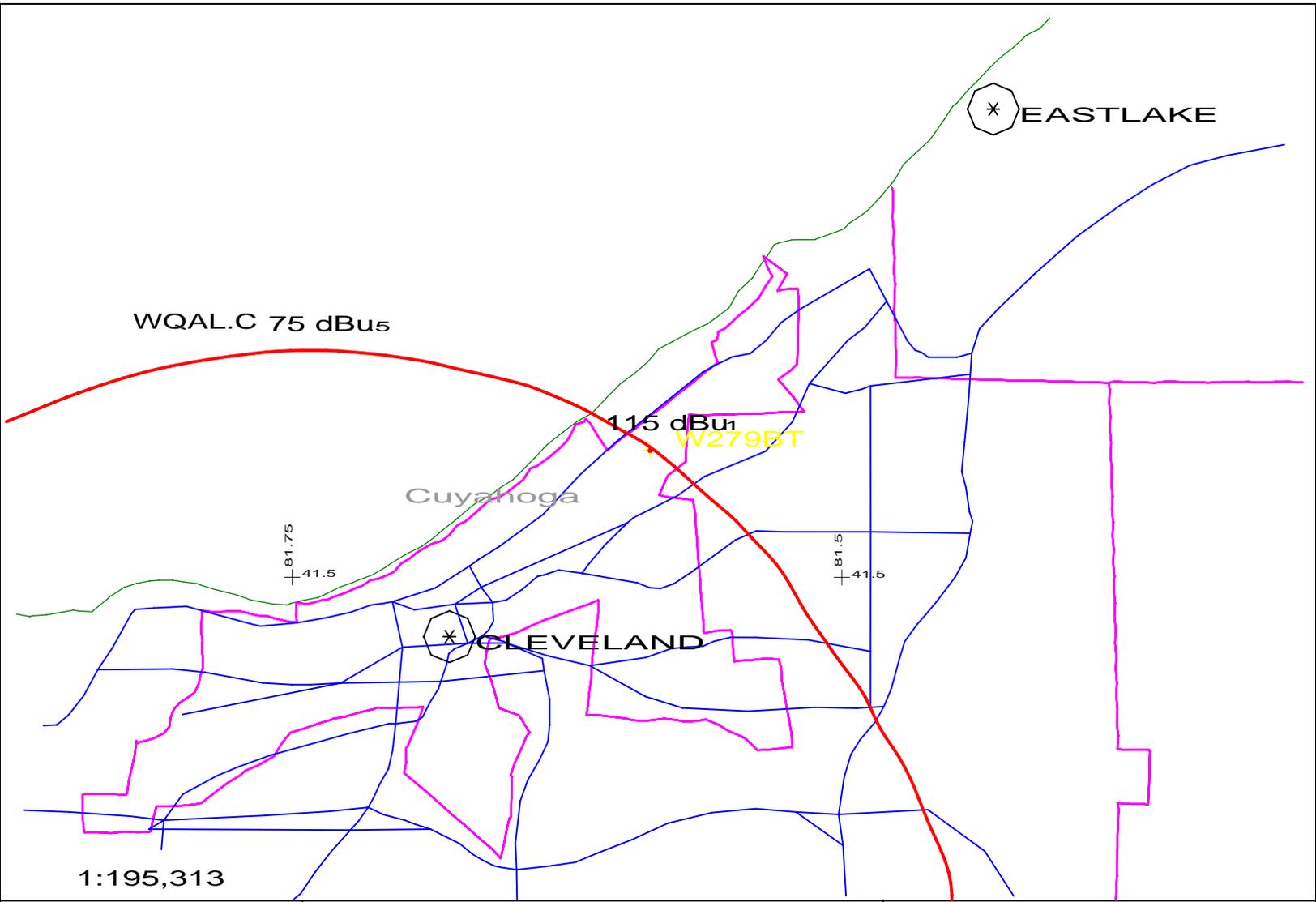
## **Exhibit 12 (Compliance with CFR 74.1204)**

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The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WQAL.C, channel 281B, Cleveland, OH. The predicted F(50-50) field strength of WQAL.C at the proposed translator site is 75 dBu, see Exhibit 12B. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 115 dBu. This interfering contour extends less than 31 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 37 meter level on a 48 meter tower).

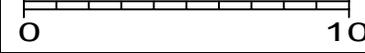
To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map, which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 31-meter interference aperture.

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



1:195,313

Scale in km



W279BT 279D .006kW 233M AM  
 N. Lat. 41 32 36 W. Lng. 81 35 14

Exhibit 12B  
 EMF - 10/05

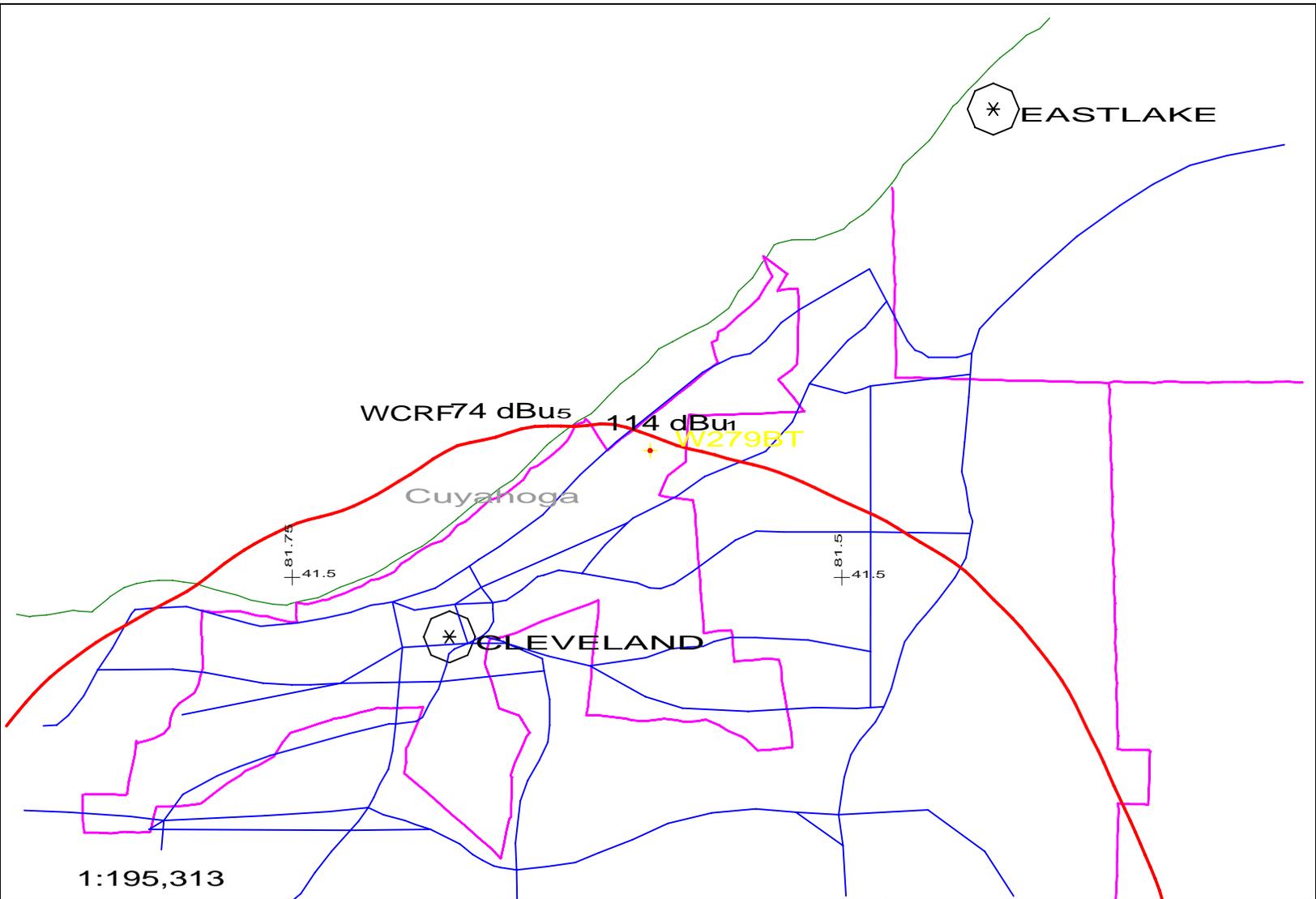
## **Exhibit 12 (Compliance with CFR 74.1204)**

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The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WCRF, channel 277B, Cleveland, OH. The predicted F(50-50) field strength of WCRF at the proposed translator site is 74 dBu, see Exhibit 12C. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 114 dBu. This interfering contour extends less than 34 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 37 meter level on a 48 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 34-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.

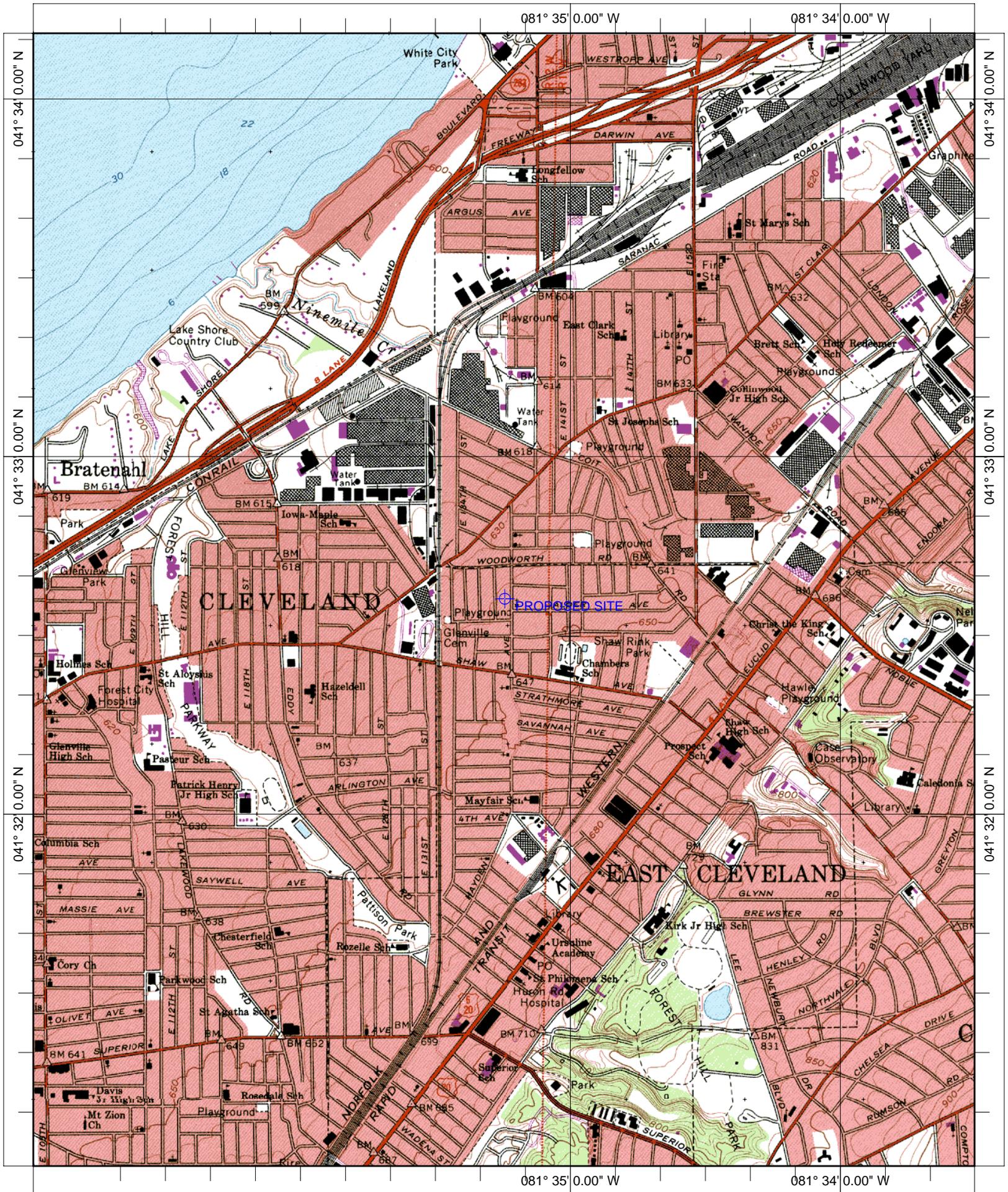


1:195,313

Scale in km

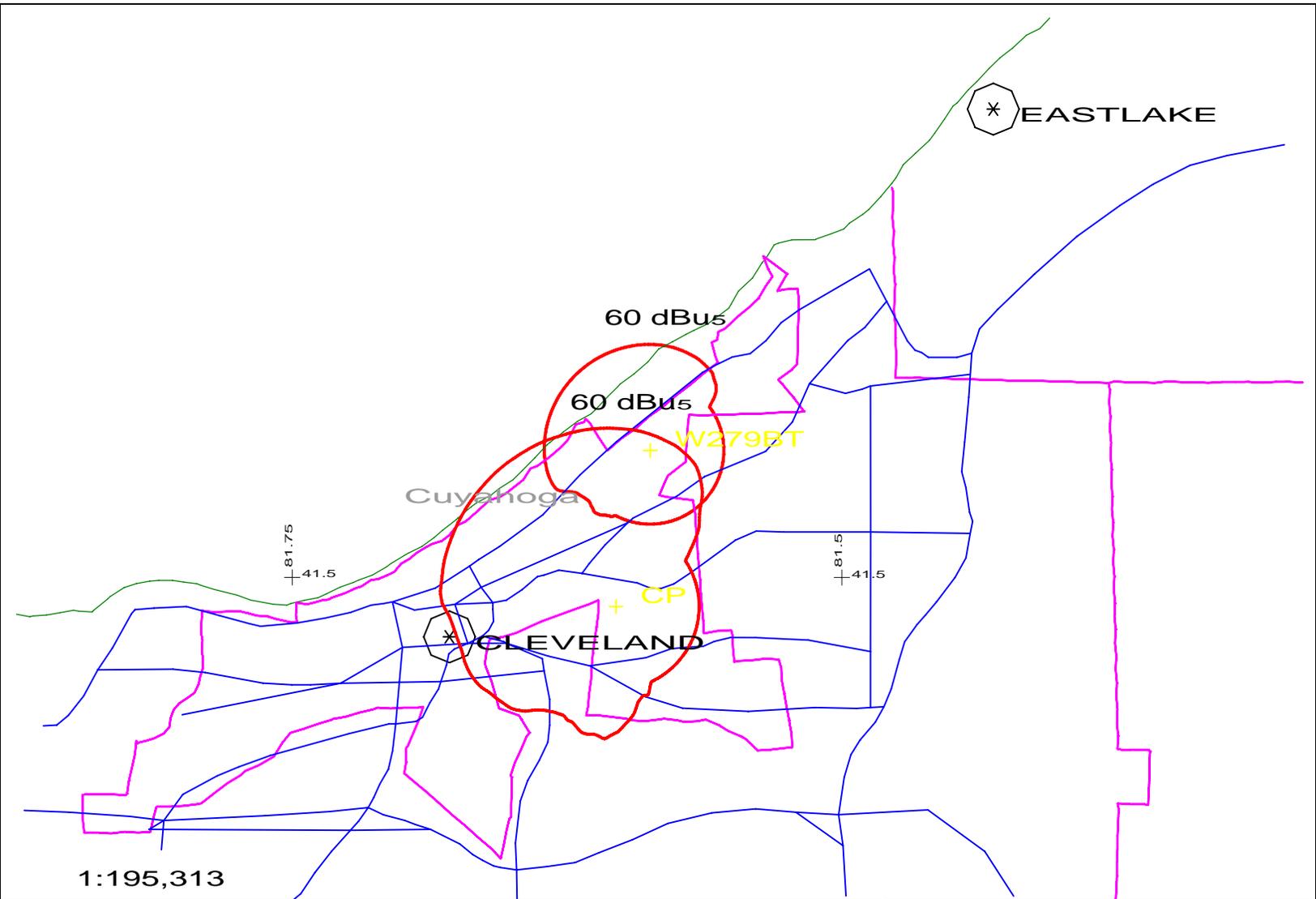


W279BT 279D	.006kW	233M AM	Exhibit 12C
N. Lat. 41 32 36	W. Lng. 81 35 14	EMF - 10/05	



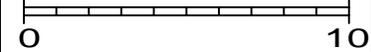
Name: EAST CLEVELAND  
 Date: 10/18/2005  
 Scale: 1 inch equals 2000 feet

Location: 041° 32' 36.0" N 081° 35' 14.7" W  
 Caption: Exhibit 12  
 Site at 41-32-36 / 81-35-14

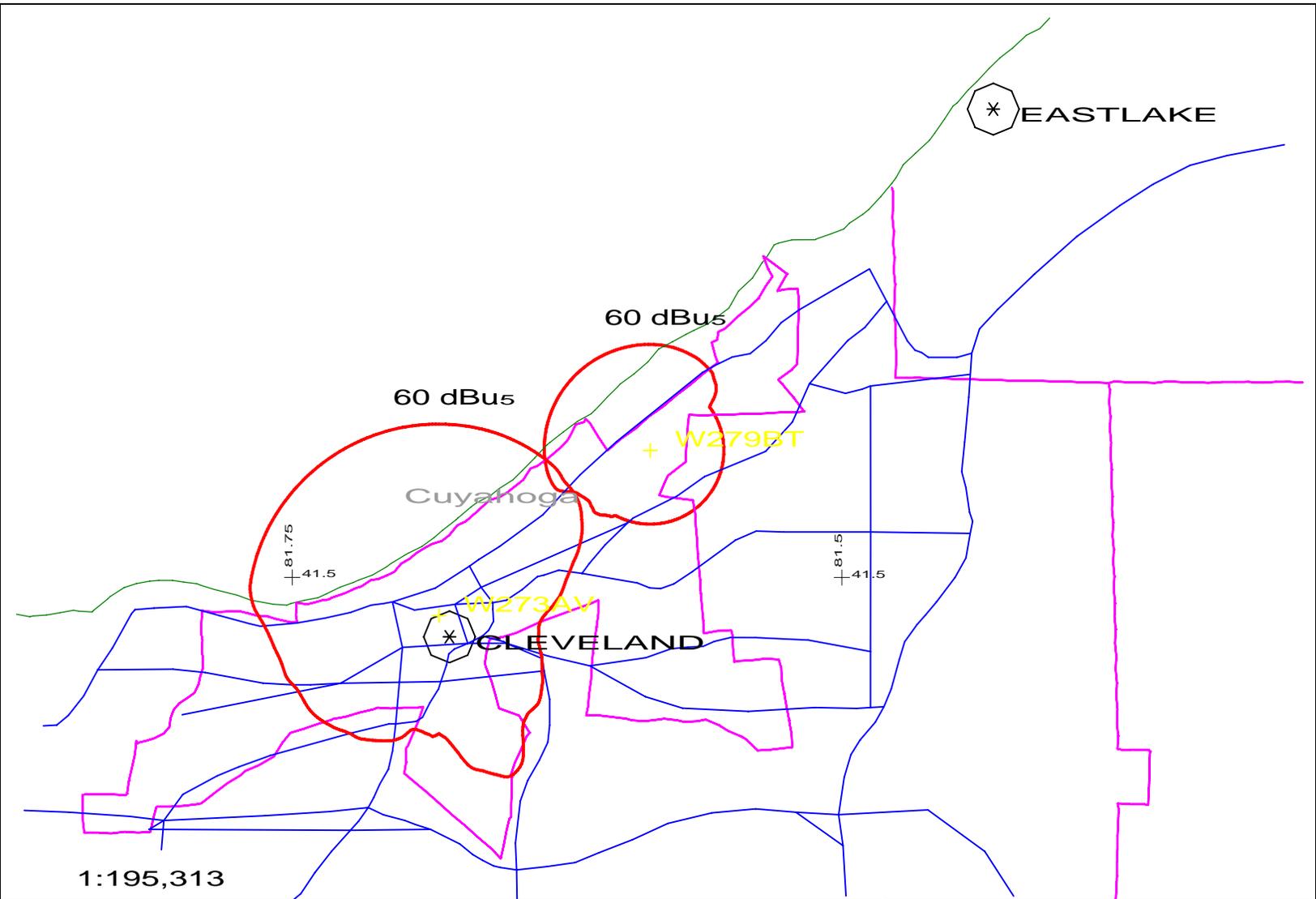


1:195,313

Scale in km



W279BT 279D	.006kW	233M AMS	SW279BT
N. Lat. 41 32 36	W. Lng. 81 35 14	EMF - 10/05	



1:195,313

Scale in km



W279BT 279D	.006kW	233M AMS	SW279BT
N. Lat. 41 32 36	W. Lng. 81 35 14	EMF - 10/05	