

Channel Study

REFERENCE		CH# 250D - 97.9 MHz, Pwr= 0.019 kW, HAAT=77.5M,		COR= 255 M		DISPLAY DATES				
38 09 54.0 N.		Average Protected F(50-50)= 6.0 km				DATA 05-22-07				
85 35 50.0 W.						SEARCH 05-22-07				
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*
248C1 Louisville	WAMZ	LIC CN KY	226.1 46.1	16.26 BLH19921202KA	38 03 49.0 85 43 52.0	100.000 194	8.1 372	63.2 Cc Licenses, Llc	2.08	-47.25*
250D Louisville	W253AW	CP C KY	18.9 198.9	9.29 BMPFT20060321ADO	38 14 39.0 85 33 46.0	0.019 53	16.1 254	5.0 Educational Media Foundati	-11.58	-10.94
250A Salem	WSLM-FM	LIC CN IN	316.2 135.8	72.73 BLH19920528KA	38 38 07.0 86 10 37.0	3.000 92	74.4 330	23.3 Rebecca L. White	-8.66	26.09
251C1 Lexington	WBUL-FM	LIC CX KY	97.8 278.5	101.61 BMLH20031218ACF	38 02 07.0 84 27 02.0	100.000 184	92.6 467	62.3 Citicasters Licenses, L.p.	3.42	31.50
251C1 Lexington	WBUL-FM	CP NCX KY	88.2 269.0	107.54 BPH20040402ACP	38 11 19.0 84 22 13.0	100.000 191	93.5 460	62.9 Citicasters Licenses, L.p.	8.71	37.10
252C3 Elizabethtown	WQXE	LIC NC KY	218.1 37.8	62.53 BLH20010802ABD	37 43 18.0 86 02 10.0	8.500 164	3.8 389	38.6 Skytower Communications-e'	52.72	23.67

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 second adjacent channel station WAMZ, channel 248C1, Louisville, KY. The predicted F(50-50) field strength of WAMZ at the proposed translator site is 87.9 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 127.9 dBu. This interfering contour extends approximately 12.3 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 41 meter level on a 76 meter tower).

In order to determine that there are no regularly occupied structures nearby that could be tall enough to enter the interference aperture, an aerial photograph of the site has been examined (see Exhibit 12A-2). The photograph clearly shows that the nearby structures are not tall enough to enter the 12.3 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.

W253AW. Proposed

Latitude: 38-09-54 N
Longitude: 085-35-50 W
ERP: 0.019 kW
Channel: 250
Frequency: 97.9 MHz
AMSL Height: 286.0 m

WAMZ

BLH19921202KA
Latitude: 38-03-49 N
Longitude: 085-43-52 W
ERP: 100.00 kW
Channel: 248
Frequency: 97.5 MHz
AMSL Height: 372.0 m

 W253AW. Proposed
 WAMZ



