

## **Page #1, Waiver Request of Section 74.1204**

W274AM, Louisville, KY, 55 Watts  
Calvary Chapel of Twin Falls, Inc. 4/04

The proposed site is contained entirely inside the service contour of second-adjacent stations WXMA, Louisville, KY and WRKA, St. Matthews, KY

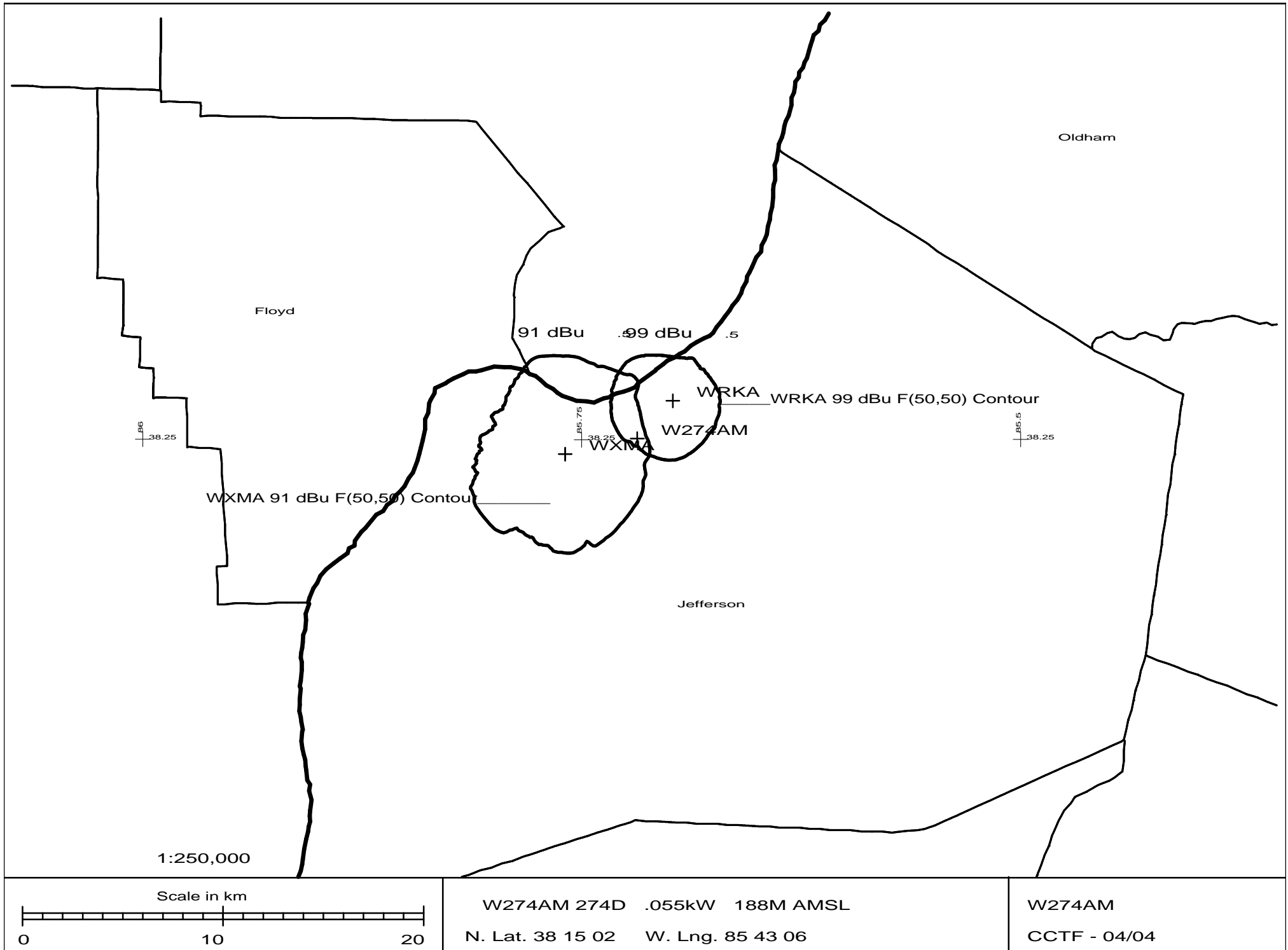
**Please note: Even though this tower is located in a populated area, Bill Utrecht, Vice-President of RADIOLAND INC., tower lessor, has stated that there are no adjacent buildings that are within the interference contour. The tower is on the same property where the offices of Radioland, Inc. are located. There are no high rise buildings adjacent to this property.**

### **WXMA**

The proposed site is contained entirely inside the service contour of second-adjacent Station WXMA, Channel 272, Class A, 6kW, Louisville, KY. As shown by the map on **page #2** of this waiver request, the level of the second-adjacent station WXMA arriving protected F(50,50) signal at the proposed transmitter site is 91-dBu. Using the Undesired-to-Desired method for calculating proposed interference (the basis of the FCC current contour overlap regulations and an acceptable method for the purposes of determining lack of interference for an FM Translator), the proposed interfering contour with respect to WXMA is 131-dBu (free-space contour method employed). This means that the 131-dBu interfering signal would, in the worst case at the maximum radial, extend 15 meters from the center of radiation, which is proposed at 50 meters AGL. A 7.5 min Topo Map is being submitted to show the area adjacent to this tower site. Calvary Chapel has personally talked to tower lessor, Bill Utrecht to verify that there are no buildings that are located within the specified interference contour (please see statement at the top of this page). Since no population inhabits this 131-dBu interference area, Calvary Chapel of Twin Falls, Inc. respectfully requests a waiver of the FM translator contour overlap regulations with respect to second-adjacent channel Station WXMA.

### **WRKA**

The proposed site is contained entirely inside the service contour of second-adjacent Station WRKA, Channel 276, Class A, 6kW, St. Matthews, KY. As shown by the map on **page #2** of this waiver request, the level of the second-adjacent station WRKA arriving protected F(50,50) signal at the proposed transmitter site is 99-dBu. Using the Undesired-to-Desired method for calculating proposed interference (the basis of the FCC current contour overlap regulations and an acceptable method for the purposes of determining lack of interference for an FM Translator), the proposed interfering contour with respect to WRKA is 139-dBu (free-space contour method employed). This means that the 139-dBu interfering signal would, in the worst case at the maximum radial, extend 6 meters from the center of radiation, which is proposed at 50 meters AGL. A 7.5 min Topo Map is being submitted to show the area adjacent to this tower site. Calvary Chapel has personally talked to tower lessor, Bill Utrecht to verify that there are no buildings that are located within the specified interference contour (please see statement at the top of this page). Since no population inhabits this 139-dBu interference area, Calvary Chapel of Twin Falls, Inc. respectfully requests a waiver of the FM translator contour overlap regulations with respect to second-adjacent channel Station WRKA.





<p>Scale in km</p> <p>0 10 20 30 40 50 60 70</p>	<p>W274AM 274D .055kW 188M AMSL</p> <p>W274AD 274D .12kW 225M AMSL</p>	<p>W274AM vs W274AD</p> <p>CCTF - 04/04</p>
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Contour.Out

4/21/2004

EXHIBIT 12  
Terrain and Contour Data  
W274AM, Louisville, KY  
BNPFT-20030730AAY  
55 Watts ERP - Max HAAT = 59.9meters

N. Lat. = 38 15 02 W. Lng. = 85 43 06  
HAAT and Distance to Contour - FCC Method - 03 Arc Sec.

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	143.0	45.0	0.0550	-12.60	1.000	5.92
030	131.2	56.8	0.0550	-12.60	1.000	6.66
060	177.3	10.7	0.0550	-12.60	1.000	4.83
090	179.8	8.2	0.0550	-12.60	1.000	4.83
120	179.4	8.6	0.0550	-12.60	1.000	4.83
150	162.5	25.5	0.0550	-12.60	1.000	4.83
180	154.4	33.6	0.0550	-12.60	1.000	5.11
210	145.5	42.5	0.0550	-12.60	1.000	5.75
240	128.1	59.9	0.0550	-12.60	1.000	6.84
270	141.0	47.0	0.0550	-12.60	1.000	6.05
300	146.2	41.8	0.0550	-12.60	1.000	5.71
330	136.2	51.8	0.0550	-12.60	1.000	6.36

Ave El= 152.05 M HAAT= 35.95 M AMSL= 188M