

FCC Form 349  
Section III-A(12)  
Application for New Translator  
Lakeland, Tennessee  
Facility ID 201654

December 15, 2017

**Proposed Translator Channel Study**  
Channel 227D Facility ID 201654  
N35-18-52, W89-55-20  
140 Watts 45 Meters AGL

Call Sign	ST	City	Freq.	Ch#	ERPower	ARN	Class	Status	D	Cir
WMFS-FM	TN	BARTLETT	92.9	225	6000.0	BLH-19940513K	A	LIC	15.91	-11.04 dB
KWEM-LP	AR	WEST MEMPHIS	93.3	227	43.0	BLL-20150617A	LP100	LIC	33.47	0.41 dB
K280FN	TN	MEMPHIS	93.7	229	99.0	BMPFT-2017071	D	CP MOD	15.08	2.19 dB
WKBQ	TN	COVINGTON	93.5	228	6000.0	BLH-19940623K	A	LIC	39.66	2.30 dB
WMDA-LP	TN	MEMPHIS	93.5	228	100.0	BLL-20170118AE	LP100	LIC	29.85	11.68 dB
KJBR	AR	MARKED TREE	93.7	229	6000.0	BLED-20070904	A	LIC	59.76	16.97 dB
WWGM	TN	ALAMO	93.1	226	14000.0	BLH-20060322A	C3	LIC	90.50	18.42 dB
KAMJ	AR	GOSNELL	93.9	230	1000.0	BLH-20020722A	A	LIC	64.96	22.36 dB
WKBQ	TN	COVINGTON	93.5	228	0.0	FM ALLOTMENT	A	USE	39.38	23.40 dB
WSYE	MS	HOUSTON	93.3	227	100000.0	BMLH-20150901	C	LIC	198.11	23.53 dB
KBFC	AR	FORREST CITY	93.5	228	25000.0	BLH-19920113K	C3	LIC	104.09	23.62 dB

The proposed facility is fully compliant with the overlap provisions of Section 74.1204 of the Commission's Rules with the exception of Radio Station WFMS(FM), (Facility ID 4653), Bartlett, TN operating on second adjacent Channel 225A. A waiver consistent with Living Way Ministries is being requested with respect to these facilities.

**WAIVER OF 74.1204**

The transmitter site for WFMS(FM) is located 15.9 km from the proposed translator site and operates with a power of 6 kw at 100 meters HAAT. Using the Commission's propagation curves, the field intensity at the proposed transmitter site is 70.2 dbu. Using a 40 dbu D/U ratio, the interfering field from the proposed translator is 120.2 dBu and the interfering contour from the translator extends a distance of 81

meters, (265 ft.) from the translator site. As is shown in the attached Exhibit E-1, there are no inhabited structures within the interference area and population within the interfering contour is zero.

Since the interfering contour from the proposed translator never reaches any populated structures, the applicant is requesting a waiver of Section 74.1204 since the interfering contour of the proposed translator does not contain any population within the predicted interfering contour.

### **INTERNATIONAL CONSIDERATIONS**

The proposed site is 941 km from the Canadian Border and there are no border issues that have to be addressed in this application.

Exhibit E-1

Legend



Proposed Translator Site

Google Earth

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N

300 ft