

Current Owner

Call Sign	Stat / Intl St	Country / State / City	File Number				Assoc ID	
Freq	Service	Chan - Class - Intl	Border-Dist	Current/Archive	Docket	73 215	Last Update	Assoc ID
Owner	Antenna ID	DA	Make / Model / Bays / Spacing	FRN	Facility ID	Fac. Status - Date		
Latitude	Longitude	Orientation	ASRN	Tip AG	Application ID	App Status - Date		
H / V :	ERP	ERP Max	HAAT	AMSL	AGL	Max HAAT		
NEW		APP	US AL	TUSCALOOSA	BNPFT	20170731AIF		68420
104.1 MHz	FX	281 D		C		N	1/19/2018	
LAWSON OF TUSCALOOSA, INC.								
128823	Y	PSI / FML-4A-0.75WS-DA / - / -		0009937590-S	201517	CPAPP - 8/2/2017		
N 33° 09' 36.0"		W 87° 30' 54.0"	0. ° T	1065251	152.00	1763397	CPREQ - 1/19/2018	
NAD-83: 33° 09' 36.4"		87° 30' 54.0"						
H/V:	0.100(kW)			248.0 m /814 ft	129.0 m /423 ft	219.0 m /718 ft		
Associated Facility ID		68420	AM	1280 kHz	WMXB	AL TUSCALOOSA		0009937590

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New FM Translator for WMXB-AM-CP-1280 kHz Ch. 281 (104.1 MHz) - Facility ID: 201517

The FM Translator 4 bay 0.75 Lambda antenna will be side mounted on an existing multi-use tower which 152.4 m (500') AGL / 271.3 m (890') AMSL. ASR: 1065251.

The Ground elevation is 118.9 m (390') AMSL.

NAD_27: N 33-09-35.6 / W 87-30-54.0

4 Bay 0.75 Lambda FM Antenna CR: 129.0 m AGL (423') / 248.0 m AMSL (814' m)

The ERP will be 100 Watts-DA using a PSI Model: FML-4A-0.75WS-DA.

Fig 2 is a Translator Channel Study.

Fig 2A is a 3rd Adjacent Waiver.

Because the CR is 423' AGL, the interfering 102.3 dBu contour remains at least 180' AGL - Never Hitting the Ground.

Fig 3 is a Map demonstrating 60 dBu "Fill-In" Compliance.

Fig 4 is a Graph demonstrating RF Exposure Compliance.



Figure 2A - Proposed Engineering New FM "Fill-In" Translator for WMXB-AM-1280

Ch. 281 - 104.1 MHz - 100 Watts-DA - Tuscaloosa, AL - March 2018