



W271DM - MINOR CHANGE TO LICENSED FACILITY
Translator for WTOT AM - Co-channel study

Table 1**W271DM Minor Change to Licensed Facility****Channel Study: 271D 102.1 MHz**

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Distance (km)	Bearing TO (deg)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)
269	A	WTOT-FM	FM	LIC	GRACEVILLE	FL	US	GFR, INC.	31.6	311.6	29.8	1.8	
271	D	W271DM	FX	CP	MARIANNA	FL	US	MFR, INC.	1.8	344.7	58.8	-56.9	
271	D	W271DN	FX	CP	DOTHAN	AL	US	LARRY WILLIAMS	51.7	347.6	51.3	0.4	
272	C2	WWLD	FM	LIC	CAIRO	GA	US	CUMULUS LICENSING LLC	97.6	108.1	68.0	29.5	
273	C3	WESP	FM	LIC	DOTHAN	AL	US	ALABAMA MEDIA, LLC	49.6	342.0	39.1	10.4	
274	C3	WPHK	FM	LIC	BLOUNTSTOWN	FL	US	LA PROMESA FOUNDATION	40.1	150.2	31.7	8.4	

(same as applicant)

Radiofrequency Electromagnetic Exposure Analysis

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL				
						within 10 meters distance	% controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$)	Max. PD beyond 10 m	% uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$)	Distance to maximum PD (m)
WJAQ (PROPOSED)	88	(Dipole EPA assumed)	2	6.000	6.000	29.7	2.97%	31.3	15.7%	21.4
W271DM (PROPOSED)	78	(Dipole EPA assumed)	1	0.250	0.250	1.60	0.16%	1.7	0.9%	20.4
						29.7	3.13%	31.3	16.5%	21.4

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

Calculations made using FCC FMModel

In the absence of specific antenna data, the EPA-dipole, single bay model is used.