

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Amended

Name of Applicant

Catholic Community Radio, Inc.

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☒ Station License☐ Direct Measurement of Power

2011 DEC 1 - 6 PM: 37

1. Facilities authorized in construction permit					
Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
WQNO	BP-20130930AWX	690	Unlimited	Night 2.1	Day 9.1
2. Station location					
State Louisiana			City or Town New Orleans		
3. Transmitter location					
State	County	City or Town	Street address (or other identification)		
LA	St. Bernard	Chalmette	130 W. Agriculture St.		
4. Main studio location					
State	County	City or Town	Street address (or other identification)		
LA	East Baton Rouge	Baton Rouge	11924 Sunray Ave.		
5. Remote control point location (specify only if authorized directional antenna)					
State	County	City or Town	Street address (or other identification)		
LA	Jefferson	Kenner	4932 Janice Ave.		

6. Has type-approved stereo generating equipment been installed?

☐ Yes ☒ No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68?

☒ Yes ☐ No☐ Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed.

Exhibit No. Tech Stmt

8. Operating constants:					
RF common point or antenna current (in amperes) without modulation for night system 6.73			RF common point or antenna current (in amperes) without modulation for day system 21.9		
Measured antenna or common point resistance (in ohms) at operating frequency Night 50.0			Measured antenna or common point reactance (in ohms) at operating frequency Night 0.0		
Day 18.9			Day -107.6		
Antenna indications for directional operation					
Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents
	Night	Day	Night	Day	Night
1 (S)	-7.0		0.953		Day 21.9
2 (N)	0.0		1.000		
Manufacturer and type of antenna monitor: Potomac Instruments AM 1901-2, Serial # 945					

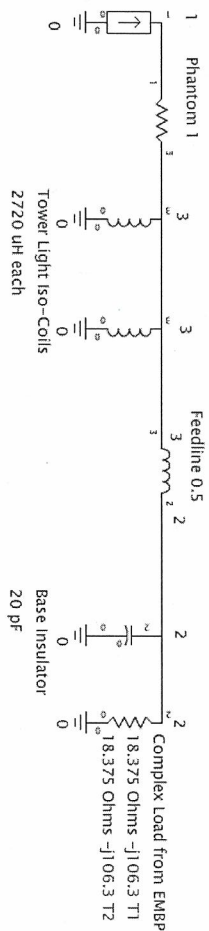
WILLOUGHBY & VOSS

VERIFICATION OF METHOD OF MOMENTS MODEL

WQNO, 690 kHz, 2.1/9.1 kW, DA-N

New Orleans, Louisiana

Center Frequency: 0.69 MHz
Frequency Range: ± 0 kHz
Frequency Step: 0.001 kHz



TWR	Lighting Iso-coils	Feedline	Base Insulator	EMBP modeled	WCAP ATU (model)	ATU Z (msrd)
1 S	2720uH= +j11792	0.5 uH	20 pF	18.375 -j 106.31	18.69 -j 104.98	18.86 -j 107.6
2 N	2720uH= +j11792	0.5 uH	20 pF	18.375 -j 106.30	18.69 -j 104.98	19.15 -j 107.3