SECTION III - L	ICENSE APPLICATION ENGI	NEERING DATA			
Name of Applica	nt				
Catholic Rad	lio Network, Inc.				
PURPOSE OF A	UTHORIZATION APPLIED FOR	: (check one)			
\checkmark	Station License	Direct Meas	surement of Power		
1. Facilities auth	orized in construction permit				
Call Sign	File No. of Construction Permit	Frequency	Hours of Operation	Power in kilowatts	
KCRN	(if applicable) BMP-20170323AAO	(kHz) 1120	Daytime	Night Day 50	
2. Station location	on				
State			City or Town		
Colorado			Limon		
3. Transmitter lo	ocation				
State	County		City or Town	Street address (or other identification)	
CO	Elbert		Kiowa	26905 Highway 86	
4. Main studio lo	ocation				
State	County		City or Town	Street address (or other identification)	
МО	Clay		Kansas City	1400 NE 42nd Terrace	
5. Remote contr	ol point location (specify only if a	uthorized directiona	al antenna)		
State	County		City or Town	Street address (or other identification)	
МО	Clay		Kansas City	1400 NE 42nd Terrace	
6. Has type-approved stereo generating equipment been installed? 7. Does the sampling system meet the requirements of 47 C E B. Section 73 68? ✓ Yes Vo					
7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68? ✓ Yes No No Not Applicable					
Attach as an Exhibit a detailed description of the sampling system as installed. Exhibit No. See Eng.					
8. Operating cor					
modulation for night system			RF common point or antenna current (in amperes) without modulation for day system 32.5		
Measured antenna or common point resistance (in ohms) at			Measured antenna or common point reactance (in ohms) at		

operating frequency			operating freq	uency			
Night	Day		Night		Day		
	50	50				-6.7	
Antenna indications for dire	ectional operation						
Towers		monitor g(s) in degrees	Antenna monitor sample current ratio(s)		Antenna base currents		
	Night	Day	Night	Day	Night	Day	
1(W)		0.0		1.000			
2(E)		98.5		0.861			
Manufacturer and type of a	antenna monitor: Go	orman Redlich C	MR	1			

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SECTION III - Page 2

permit?

9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator	Overall height in meters of radiator above base insulator, or above base, if grounded.	Overall height in meters above ground (without obstruction lighting)	Overall height in meters above ground (include obstruction lighting)	If antenna is either top loaded or sectionalized, describe fully in an Exhibit.
Vertical steel	59.8	60.7	60.7	Exhibit No. N/A
Excitation	Series	Shunt		

Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude 39 ^o 16 ['] 28 ["]	West Longitude 104 ^o 09 ' 40 "
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Exhibit No.

N/A

Exhibit No.

N/A

If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the

Slight change of coordinates to reflect as built conditions.

11. Give reasons for the change in antenna or common point resistance.

N/A	

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type)	Signature (check appropriate box below)
Charles A. Hecht	Charles A. Hecht
Address (include ZIP Code)	Date
Charles A. Hecht & Associates, Inc.	January 25, 2019
19 Mackenzie Court	Telephone No. (Include Area Code)
Freehold, NJ 07728	732 577-0711

Technical Director		Registered Professional Engineer
Chief Operator	\checkmark	Technical Consultant

Other (specify)

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