

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0386 (July 2002)	FOR FCC USE ONLY
Engineering STA		FOR COMMISSION USE ONLY FILE NO. BSTA - 20210730AAM
Read Instructions/FAQ before filling out form		

Section I - General Information

1.	Legal Name of the Applicant SANTA CRUZ EDUCATIONAL BROADCASTING FOUNDATION		
	Mailing Address P.O. BOX 13		
	City SANTA CRUZ	State or Country (if foreign address) CA	Zip Code 95063 - 0013
	Telephone Number (include area code) 8314756651		E-Mail Address (if available) JAMES.AUEL@GMAIL.COM
	FCC Registration No 0013625629	Call Sign KFER	Facility ID Number 59064
2.	Contact Representative (if other than licensee/permittee) DAVINA SASHKIN, ESQ.		Firm or Company Name BAKER & HOSTETLER LLP
	Mailing Address 1050 CONNECTICUT AVENUE, NW SUITE 1100		
	City WASHINGTON	State or Country (if foreign address) DC	ZIP Code 20036 -
	Telephone Number (include area code) 2028611759		E-Mail Address (if available) DSASHKIN@BAKERLAW.COM
3.	Purpose:		
	<input checked="" type="radio"/> Engineering STA		
	<input type="radio"/> Extension of Existing Engineering STA		
	<input type="radio"/> Legal STA		
	<input type="radio"/> Extension of Existing Legal STA		
4.	Service: FM		
5.	Community of License: City: SANTA CRUZ State: CA		
6.	If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input checked="" type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other <input type="radio"/> N/A (Fee Required)		

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

7.0.	STA is requested for use of
	<input type="radio"/> Licensed Antenna system with:
	<input type="radio"/> Reduced power
	<input type="radio"/> Reduced hours of operation
	<input type="radio"/> Required equipment out of service
	<input type="radio"/> Other variance [Exhibit 1]

	<input type="radio"/> Antenna system authorized by Construction Permit: - Describe requested modes of operation [Exhibit 2]											
	<input checked="" type="radio"/> Other antenna system: (Complete Items 7.1 - 7.11)											
7.1.	Channel Number: 210											
7.2.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 37 Minutes 0 Seconds 49 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 121 Minutes 58 Seconds 29 <input checked="" type="radio"/> West <input type="radio"/> East											
7.3.	Antenna Structure Registration Number: <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA											
7.4.	Overall Tower Height Above Ground Level:								7meters			
7.5.	Height of Radiation Center Above Mean Sea Level:								173 meters(H)		173 meters(V)	
7.6.	Height of Radiation Center Above Ground Level:								6meters(H)		6meters(V)	
7.7.	Height of Radiation Center Above Average Terrain:								3meters(H)		3meters(V)	
7.8.	Effective Radiated Power:								0.1 kW(H)		0.1 kW(V)	
7.9.	Maximum Effective Radiated Power: <input checked="" type="checkbox"/> Not Applicable (Beam-Tilt Antenna ONLY)								kW(H)		kW(V)	
7.10.	Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional) Rotation (Degrees): <input type="checkbox"/> No Rotation											
	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
	0		10		20		30		40		50	
	60		70		80		90		100		110	
	120		130		140		150		160		170	
	180		190		200		210		220		230	
	240		250		260		270		280		290	
	300		310		320		330		340		350	
	Additional Azimuths											
7.11.	Environmental Protection Act. 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). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an Exhibit is required. By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.									<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 3]		
8.	Please explain in detail the "extraordinary circumstances" which warrant temporary operations at variance from the Commission's Rules. In addition, please specify 1) the specific rules and/or policies from which the applicant seeks temporary relief; 2) how the public interest will be furthered by grant; and 3) the expected duration of the STA and the licensee's plan for restoration of licensed operation. If requesting variance with other than authorized technical facilities, please specify the exact facilities sought.									[Exhibit 4]		
9.	Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.									<input checked="" type="radio"/> Yes <input type="radio"/> No		

I certify that I have prepared Engineering Data on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name ROBERT H. BRANCH, JR.		Relationship to Applicant (e.g., Consulting Engineer) TECHNICAL CONSULTANT	
Signature		Date (mm/dd/yyyy) 07/30/2021	
Mailing Address 440 ASTILLERO STREET			
City LAS VEGAS	State or Country (if foreign address) NV		Zip Code 89138 -
Telephone Number (No dashes or parentheses, include area code) 4349419123	E-Mail Address (if available) RBRANCH2013@ICLOUD.COM		

I hereby certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations.

Typed or Printed Name of Person Signing JAMES AUEL		Typed or Printed Title of Person Signing PRESIDENT	
Signature		Date (mm/dd/yyyy) 07/30/2021	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Exhibits

Exhibit 3

Description: ENVIRONMENTAL STATEMENT

THE APPLICANT HAS PROPOSED A NONDIRECTIONAL ANTENNA AT THE KFER SITE. THE APPLICANT PLANS TO USE A SINGLE-BAY NICOM BKG-77 ANTENNA. THE ANTENNA TYPE IS A 'OPPOSED V DIPOLE' WITH A POWER LEVEL OF 100 WATTS ERP (H&V) AT A HEIGHT AGL OF 6 METERS ON AN EXISTING TOWER. USING THE FCC COMPUTER PROGRAM FM MODEL, THE MAXIMUM RF RADIATION CONTRIBUTION OCCURS 2.6 METERS FROM THE ANTENNA AND IS 54.65 MICROWATTS PER CENTIMETER SQUARED. THIS IS CLEARLY BELOW BOTH THE OCCUPATIONAL AND THE GENERAL PUBLIC LIMITS SET FORTH IN OET BULLETIN 65. THERE IS CURRENTLY NO OTHER CONTINUOUSLY TRANSMITTING FACILITY AT THE PROPOSED SITE.

Attachment 3

Exhibit 4

Description: EXTRAORDINARY CIRCUMSTANCES DESCRIPTION

KFER, SANTA CRUZ, CA HAS BEEN SILENT SINCE 8/25/2020, DUE TO WILDFIRES IN THE TRANSMITTER AREA. IN ADDITION, SINCE THAT TIME, THE CURRENT SITE OWNER HAS INFORMED THE LICENSEE THAT THE LICENSEE IS NO LONGER ALLOWED TO USE THE CURRENTLY-LICENSED SITE. THE APPLICANT HAS BEEN WORKING DILIGENTLY TO GET THE STATION BACK ON THE AIR AND HAS RECEIVED PERMISSION FROM A STRUCTURE OWNER ON AN ADJACENT PARCEL OF PROPERTY TO CONSTRUCT THE FACILITY SPECIFIED IN THE INSTANT STA APPLICATION. THE EQUIPMENT IS ON HAND TO CONSTRUCT THE FACILITY.

THE CURRENT FACILITY DOES NOT INCREASE THE F(50,50) 60 DBU CONTOUR NOR THE F(50,10) 34 DBU CONTOUR.

Attachment 4
