



# (REFERENCE COPY - Not for submission) Full Power FM Engineering STA Application

File Number: **0000244684** | Submit Date: **05/13/2024** | Lead Call Sign: **KESC** | Facility ID: **58653**

FRN: **0004512778**

Service: **Full Power FM** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **05/16/2024** | Filing Status: **Inactive**

## General Information

Section	Question	Response
<b>Attachments</b>	Are attachments (other than associated schedules) being filed with this application?	

## Fees, Waivers, and Exemptions

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	Yes
	Indicate reason for fee exemption:	Not for profit education institution
	Is the applicant exempt from FCC regulatory Fees?	Yes
<b>Waivers</b>	Does this filing request a waiver of the Commission's rule (s)?	No
	Total number of rule sections involved in this waiver request:	

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>UNIVERSITY OF SOUTHERN CALIFORNIA</b> Doing Business As: UNIVERSITY OF SOUTHERN CALIFORNIA	Ron Thompson 1149 S. HILL STREET SUITE H-100 LOS ANGELES, CA 90015 United States	+1 (213) 225-7400	rthompson@kusc.org	PNE

## Contact Representatives (1)

Contact Name	Address	Phone	Email	Contact Type
<b>Mary O'Connor</b> WILKINSON BARKER KNAUER, LLP	Mary O'Connor 1800 M Street NW, Suite 800N Washington, DC 20036 United States	+1 (202) 383-3351	moconnor@wbklaw.com	Legal Representative

## STA Purpose

Section	Question	Response
<b>STA Purpose</b>	This Special Temporary Authority is requested for use of:	Other antenna system

### Channel and Facility Information

Section	Question	Response
Proposed Community of License	State	California
	City	MORRO BAY
	Channel	259
	Frequency	99.7
Facility Type	Facility Type	Noncommercial Educational
Station Class	Station Class	A

### Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	35° 21' 39.7" N+
	Longitude	120° 39' 24.8" W-
	Structure Type	POLE-Pole used only to mount an antenna
	Overall Structure Height	6.4 meters
	Support Structure Height	6.4 meters
	Ground Elevation (AMSL)	751 meters
Antenna Data	Height of Radiation Center Above Ground Level	Horizontal:6 meters Vertical:6 meters
	Height of Radiation Center Above Average Terrain	Horizontal:454 meters Vertical:454 meters
	Height of Radiation Center Above Mean Sea Level	Horizontal:757.0 meters Vertical:757.0 meters
	Effective Radiated Power	Horizontal:0.220 kW Vertical: 0.220 kW

### Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional

### Directional Antenna Relative Field Value

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.735	90	0.535	180	0.845	270	0.999
10	0.679	100	0.54	190	0.892	280	0.995
20	0.63	110	0.549	200	0.929	290	0.987
30	0.592	120	0.566	210	0.956	300	0.975
40	0.556	130	0.592	220	0.975	310	0.956
50	0.549	140	0.63	230	0.987	320	0.929
60	0.54	150	0.679	240	0.995	330	0.892

70	0.535	160	0.735	250	0.999	340	0.845
80	0.534	170	0.792	260	1.0	350	0.792

**Additional Azimuths**

Degree	Value
45	0.556
315	0.944
225	0.982
135	0.61

**STA  
Certifications**

Section	Question	Response
Environmental Effect	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See 47 C.F.R. Section 1.1306)	No

**Certification**

Section	Question	Response
General Certification Statements	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	
	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification § 1.2002(c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	
Authorized Party to Sign	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application. WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND /OR FORFEITURE (U.S. Code, Title 47, §503).	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	<b>Ron B. Thompson</b> <i>Director of Engineering</i>  05/13/2024

## Attachments

File Name	Uploaded By	Attachment Type	Description	Upload Status
<a href="#"><u>KESC Technical Exhibit -- Request for STA.pdf</u></a>	Applicant	STA Purpose	KESC Engineering Exhibit -- Ron Thompson	Done with Virus Scan and/or Conversion