



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST TRANSLATOR/BOOSTER**  
**STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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ZWERLING BROADCASTING SYSTEM LTD  
2300 PORTOLA DRIVE  
SANTA CRUZ CA 95062

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Penelope A. Dade  
Supervisory Analyst  
Audio Division  
Media Bureau

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Facility Id: 153874

Call Sign: K281CA

License File Number: BLFT-20150807AAH

Grant Date: August 17, 2015

This license expires 3:00 a.m.  
local time, December 01, 2021.

This license covers permit no.: BMPFT-20150318AAQ

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Callsign: K281CA

License No.: BLFT-20150807AAH

Name of Licensee: ZWERLING BROADCASTING SYSTEM LTD

Principal community to be served: CA-SANTA CRUZ

Primary Station: KSCO (AM) , Frequency 1080 kHz, SANTA CRUZ, CA

Via: Other

Frequency (MHz): 104.1

Channel: 281

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 37 deg 03 min 28 sec

West Longitude: 121 deg 46 min 30 sec

Transmitter: Type Accepted. See Sections 73.1660, 74.1250 of the Commission's Rules.

Transmitter output power: 0.04 kW

Antenna type: (directional or non-directional): Directional  
Description: SCA CL-FM/V/RM

Major lobe directions 265  
(degrees true):

Horizontally Polarized Antenna:	Vertically Polarized Antenna:
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Effective radiated power in the Horizontal Plane (kw):	0.19
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Height of radiation center above ground (Meters):	213
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Height of radiation center above mean sea level (Meters):	974
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Antenna structure registration number: 1018359

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

\*\*\* END OF AUTHORIZATION \*\*\*