



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address: _____
 CARLOS A. DUHARTE
 KZSF 1370-AM
 2347 BERING DRIVE
 SAN JOSE CA 95131

 Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 68841
 Call Sign: KZSF
 License File Number: BMML-20170322ABL
 Grant Date: **APR 12 2018**
 This license expires 3:00 a.m.
 local time, December 01, 2021.

License granting the modification to antenna system due to the addition of KLOK(AM).

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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
 Local Standard Time (Non-Advanced)

Jan. 7:15 AM	5:15 PM	Jul. 5:00 AM	7:30 PM
Feb. 7:00 AM	5:45 PM	Aug. 5:15 AM	7:00 PM
Mar. 6:15 AM	6:15 PM	Sep. 5:45 AM	6:15 PM
Apr. 5:30 AM	6:45 PM	Oct. 6:15 AM	5:30 PM
May 5:00 AM	7:15 PM	Nov. 6:45 AM	5:00 PM
Jun. 4:45 AM	7:30 PM	Dec. 7:15 AM	4:45 PM

Name of Licensee: CARLOS A. DUHARTE

Station Location: SAN JOSE, CA

Frequency (KHz): 1370

Station Class: B

Antenna Coordinates:

Day

Latitude: N 37 Deg 21 Min 28 Sec

Longitude: W 121 Deg 52 Min 17 Sec

Night

Latitude: N 37 Deg 21 Min 28 Sec

Longitude: W 121 Deg 52 Min 17 Sec

Transmitter(s) : Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW) : Day: 5.0 Night: 5.0

Antenna Input Power (kW) : Day: 5.4 Night: 5.4

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes) : Day: 10.4 Night: 10.4

Resistance (ohms) : Day: 50 Night: 50

Antenna Registration Number(s) :

Day:

Tower No.	ASRN	Overall Height (m)
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1	1215674	
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2	1215676	
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3	1215679	
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4	1215678	
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Night:

Tower No.	ASRN	Overall Height (m)
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1	1215674	
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2	1215676	
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3	1215679	
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4	1215678	
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DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km) : Day: 712 Night: 712
 Standard RMS (mV/m/km) : Day: 747.97 Night: 747.97
 Augmented RMS (mV/m/km) :

Q Factor: Day: 22.4 Night: 22.4

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	97.8
2	0.4070	71.400	123.3000	61.000	0	97.8
3	0.3710	-92.600	82.2000	341.000	0	97.8
4	0.8750	-119.000	91.3000	251.000	0	97.8

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	97.8
2	0.4070	71.400	123.3000	61.000	0	97.8
3	0.3710	-92.600	82.2000	341.000	0	97.8
4	0.8750	-119.000	91.3000	251.000	0	97.8

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1	106.2 1.496
2	177 0.555
3	27.9 0.408
4	0 1

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1	106.2 1.496
2	177 0.555
3	27.9 0.408

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
4	0 1

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 60.96 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 7.3 meters square, about the base of each tower.
- 2 The licensee shall perform the measurements described in Section 73.155 at least once within every 24 month period.
- 3 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 ***