

DAYTIME SITE

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

File No. : BL-890501AD

Call Sign : KCAL

FCC Form 752
May 1988

LICENSEE:

Andy James Fakas DBA KCAL

1. Community of license : Redlands, California

2. Transmitter location : 1315 W. Lugonia Avenue
Redlands, California

North latitude : 34 ° 04' 08 -
West longitude : 112 ° 12' 06 -

3. Transmitter(s) Type Accepted. (See Sections 73.125d,
73.125e and 73.1670 of the Commission's rules)

4. Main Studio location: (See Section 73.1125)

B. Remote control location:

29800 Greenspot Road
E. Highlands, California

6. Antenna and ground system:

Vertical, guyed, series-excited, steel radiator of uniform cross section 57m (96.5')
in height (59m Overall). Theoretical Efficiency: 310 mV/m/kW at 1 km. Ground
system consists of 120 equally spaced, buried, copper radials 53.34m in length plus
120 interspersed radials 15.24m in length.

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None Required.

8. Frequency : 1410 kHz

9. Nominal power (kW) : 5.0 Day

Antenna input power (kW):

5.0 Day

Non-directional antenna

Directional antenna

current 8.47 amperes; resistance 69.7 ohms.

--- Night

Non-directional antenna

Directional antenna

current --- amperes; resistance --- ohms.

10. Hours of operation: Specified in BR-880923AG

11. Conditions : - - - -

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,¹ the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 AM Local Time

December 1, 1990

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

The license is issued on the licensee's representation that the statements contained in the 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, as amended. This license is subject to the right of use or control by the Government of the United States conferred by Section 406 of the Communications Act of 1934, as amended.

¹ This license consists of this page and pages
JUN 6 7 1989

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FEDERAL
COMMUNICATIONS



JUN 9 1989

NIGHTTIME SITE
UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

File No. : BL-880401AG

Call Sign : KCAL

LICENSEE:

ANDY JAMES FAKAS

1. Community of License: Redlands, CA
2. Transmitter location: 29800 Greenspot Rd.
E. Highlands, CA
North latitude: 34° 06' 39"
West longitude: 117° 09' 11"

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

4. Main Studio location: (See Section 73.1125)

5. Remote control location: - -

6. Antenna and ground system: Attached

7. Construction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 11 & 21.

8. Frequency: 1410 kHz

9. Nominal power (kW): 5.0 Day 4.0 Night

Antenna input power (kW):

- - Day Non-directional antenna:
 Directional antenna : current _____ amperes; resistance _____ ohms.
4.3 Night Non-directional antenna:
 Directional antenna : current 9.3 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BP-851213AC & BMP-860819AC

11. Conditions: - - -

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,¹ the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time
DECEMBER 1, 1990

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

The license is issued on the licensee's representation that the statements contained in the 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, as amended. 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, as amended.

¹ This license consists of this page and pages 2 & 3 & 4
Dated: JUL 22 1988 JDS/ajs

FEDERAL
COMMUNICATIONS
COMMISSION



JUL 26 1988

June 1980

File NO. BL-880401AG

Call Sign: KCAL

Date:

DA-2

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Four (4) vertical, guyed, series excited steel radiators of uniform cross section. Theoretical RMS: 673.82mV/m/km. Std. RMS: 707.82mV/m/km night. Q factor = 20.

Height above Insulators: 175 ft (90°)

Overall Height: 181 ft.

Spacing and Orientation: With tower #1 (EC) as reference tower #2 (N) is spaced 120° at a bearing of 355° T. Tower #3 (S) is spaced 120° at a bearing of 218° T. Tower #4 (WC) is spaced 87.96° at a bearing of 286.5° True.

Non-Directional Antenna: Two site operation.

Ground System consists of 120 equally-spaced exposed, copper radials about the base of each tower 175 ft. in length. Radials bonded to a common 4" copper strap where they intersect.

2. THEORETICAL SPECIFICATIONS

	Tower	#1(EC)	#2(N)	#3(S)	#4(WC)
Phasing:	Night	0.0	107.5	-177.0	-69.5

	Tower	#1(EC)	#2(N)	#3(S)	#4(WC)
Field Ratio:	Night	1.0	1.0	0.9	0.9

3. OPERATING SPECIFICATIONS

	Tower	#1(EC)	#2(N)	#3(S)	#4(WC)
Phase Indication*:	Night	0°	109.9°	-162°	-60°

	Tower	#1(EC)	#2(N)	#3(S)	#4(WC)
Antenna Base Current Ratio	Night	1.00	0.988	0.988	0.884

	Tower	#1(EC)	#2(N)	#3(S)	#4(WC)
Antenna Monitor Sample Current Ratio:	Night	1.00	1.00	0.99	0.875

* As indicated by Potomac Instruments AM-19D (210) Antenna Monitor.

Antenna sampling system approved under section 73.68(b) rules.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 6° true North. From transmitter site proceed east on Greenspot Rd. 0.2 mi, turn left proceed Northeast 0.15 mi., Turn left on Santa Ana Canyon Rd. proceed 0.25 mi. West, Turn right (North) 0.25 mi to Bethlehem House. Turn west then immediate North 0.15 mi past Bethlehem House. Turn Northeast at covered resevoir on dirt road through orange groves 0.28 miles to intersection. Turn left at intersection 0.25 miles to monitoring point location. Monitoirng point is on North edge of concrete water trough. West side of Trough is marked "6°". Distance to monitoring point is 0.70 miles. Caution: Beware of Rattlesnakes that inhabit foothill areas. The field intensity measured at this point should not exceed 305 mV/m.

Direction of 48° true North. From transmitter site proceed East on Greenspot Rd. 0.2 mi, turn left and proceed Northeast 0.15 mi., Turn left on Santa Ana Canyon Rd. Proceed 0.25 mi. West, turn right (North) 0.25 mi to Bethlehem House. Turn west then immediate North 0.15 mi past Bethlehem House. Turn northeast at covered resevoir on dirt road through orange groves 0.28 miles to intersection. Turn right at intersection 0.35 miles to path on south side of road. Walk down path 0.1 mile to monitoring point location. Monitoring point is near the end of path and is marked with paint. Distance to monitoring point is 0.80 miles. Caution: Beware of rattlesnakes that inhabit these foothill area. The field intensity measured at this point should not exceed 13.8 mV/m.

Direction of 90.5° true North. From transmitter site proceed east on Greenspot Rd. 1.45 mi, turn left proceed North 0.05 mi., turn left again on Narrow Dirt Road that is south of Farm House and circles to the north through orange grove. Go 0.25 miles on Dirt Road to concrete water through marked "MP". Monitoring point is 3' west of marked corner. Distance to monitoring point is 1.35 miles. Caution: Beware of Rattlesnakse that inhabit theses foothill areas. The field intensity measured at this point should not exceed 88 mV/m.

Direction of 126.5° true North. From transmitter site proceed east on Greenspot Rd. 2.9 mi, then southerly on Greenspot Road 1.3 miles. Turning left (East) Greenspot Rd. changes into Florida St. Proceed East on Florida St. 0.5 mi. To Amethyst St. Turn right (South) on Amethyst St. go to end. Monitoring point is 5' East of concrete water stand pipe. Distance to monitoring point is 3.53 miles. The field intensity measured at this point should not exceed 1.3 mV/m.

Direction of 302° true North. From transmitter site proceed west on Greenspot Rd. 1.15 mi. Turn right (North) on church St. 0.82 mi. to intersection of base line and church St. Turn right on base line go 0.05 mi. to monitoring point. Monitoring point is on south curb marked with paint. Distance to monitoring point is 1.3 miles. The field intensity measured at this point should not exceed 7.5 mV/m.