

APPLICATION FOR STATION LICENSE
LA FAVORITA BROADCASTING, INC.
KCFA (FM) RADIO STATION
CH 291B1 - 106.1 MHZ - 0.98 KW
ARNOLD, CALIFORNIA
May 2002

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of La Favorita Broadcasting, Inc. ("LBI"), licensee of radio station KCFA, Channel 291B1, Arnold, California. LBI herein submits an application to re-license the facilities of KCFA after the replacement of its antenna system. KCFA is operating pursuant to automatic program test authority with the facilities authorized in its present license, with the exception that a new antenna system is being used, resulting in an increase in the transmitter power output to maintain the authorized effective radiated power and, further, that the antenna center of radiation is two meters higher than indicated in the license. In BMLH-20010919AAC, the antenna center of radiation is listed as 45 meters above ground and 2038 meters above mean sea level. Due to the type of antenna specified, the KCFA antenna center of radiation was placed at 47 meters above ground and 2040 meters above mean sea level.¹ This increase of two meters in height is in compliance with the Commission's rules.

Attached as Exhibit A is a calculation of the transmitter output power for KCFA. Since this was a replacement of one non-directional antenna with another non-directional antenna, there was no construction permit issued for this change. However, LBI herein restates that it will reduce the power or cease operation, as necessary, to insure that no one will be exposed to fields in excess of the Commission's rules (guidelines).

1) The height above average terrain was also updated to reflect the slight increase in height.

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EXHIBIT A

KCFA Transmission System Calculations

Effective Radiated Power:

Horizontal	3.80 kilowatts
Vertical	3.80 kilowatts

Antennas:

Antenna Concepts ATI4L
4 bay half wavelength
1.00²

Horizontal gain

Transmission Line:
(140 feet)

Cablewave HCC-158-50J
1 5/8 inch air dielectric
92.4% efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

4.11 kilowatts

Facilities authorized:

Channel 291B1 - 106.1 MHz

Effective Radiated Power:

3.80 kilowatts (H/V)

Geographic Coordinates:

North Latitude	38° 22' 42"
West Longitude	120° 11' 36"

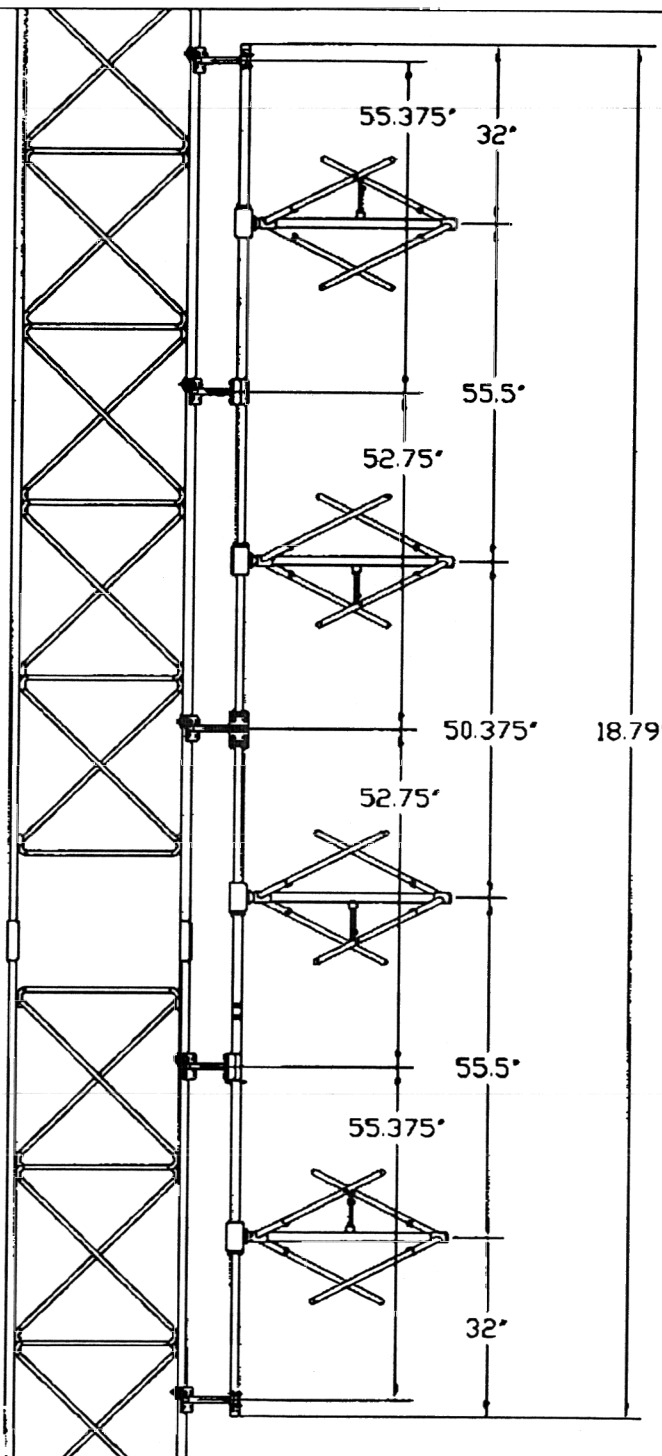
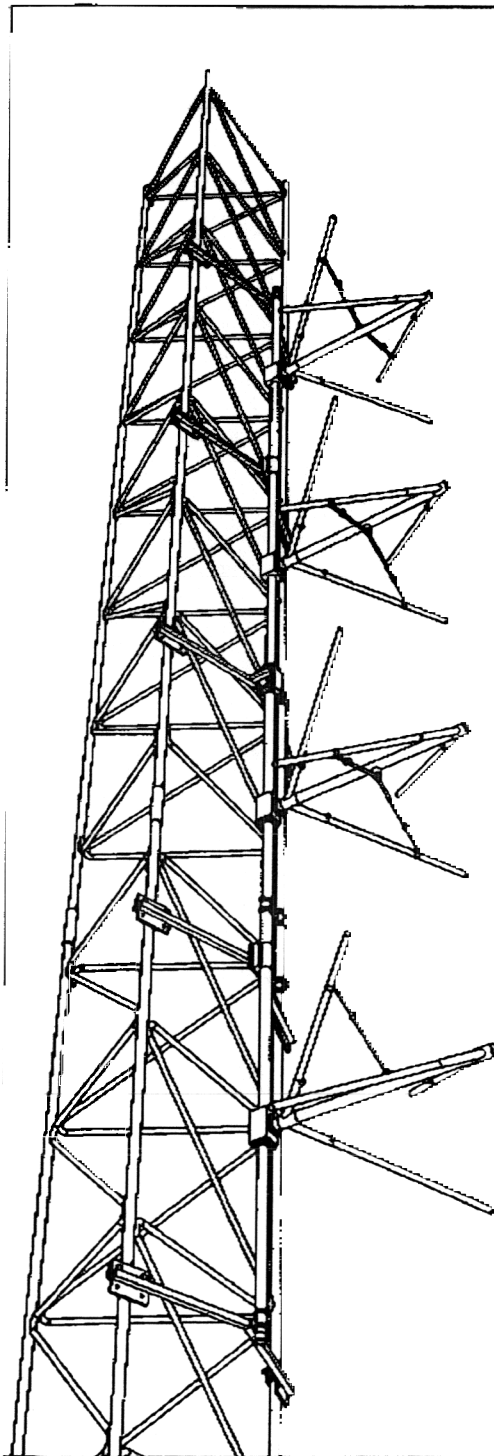
Antenna Center of Radiation:

Above Ground	47.0 meters
Above MSL	2040.0 meters
HAAT	258.0 meters

FCC Tower Registration Number:

None Required

2) See Exhibit B from Antenna Concepts for antenna gain data.



ANTENNA CONCEPTS INC.

AS-BUILT DRAWING

SERIAL NO.: AT14L(106.1)000217
 DESCRIPTION: 4 BAY LOW POWER ULTRA TRACKER
 HEIGHT: 18.79' FEET
 WEIGHT: 185 LBS.
 WIND EXPOSURE: 5.0 SQUARE FEET
 ANTENNA GAIN: 1.0(0.0 dB)
 POWER RATING: 5kW MAXIMUM
 INPUT: 1 5/8" EIA 50 Ohm
 FEED POINT: MID-FED
 MOUNTING: CUSTOM FACE-MOUNT
 DWG. DATE: FEBRUARY 18, 2000
 DWG. NO.: AT14L(106.1)000217
 DR. BY: ALEX CUNNINGHAM
 SPECIAL: 24" FACE TOWER SHOWN FOR REFERENCE USE

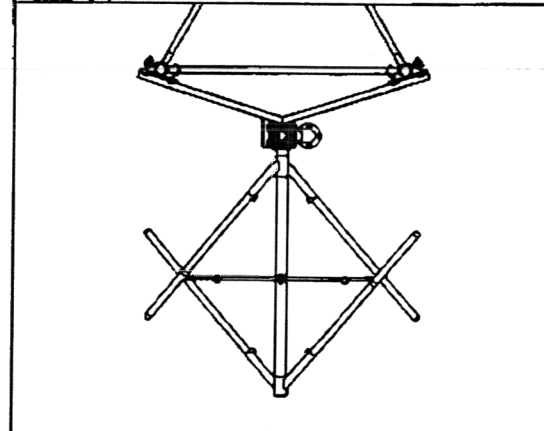
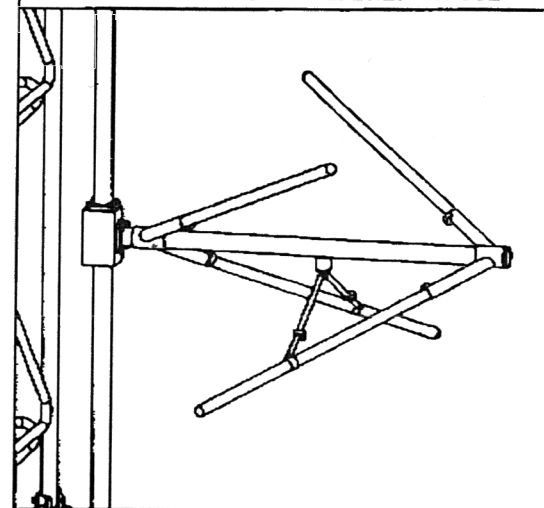
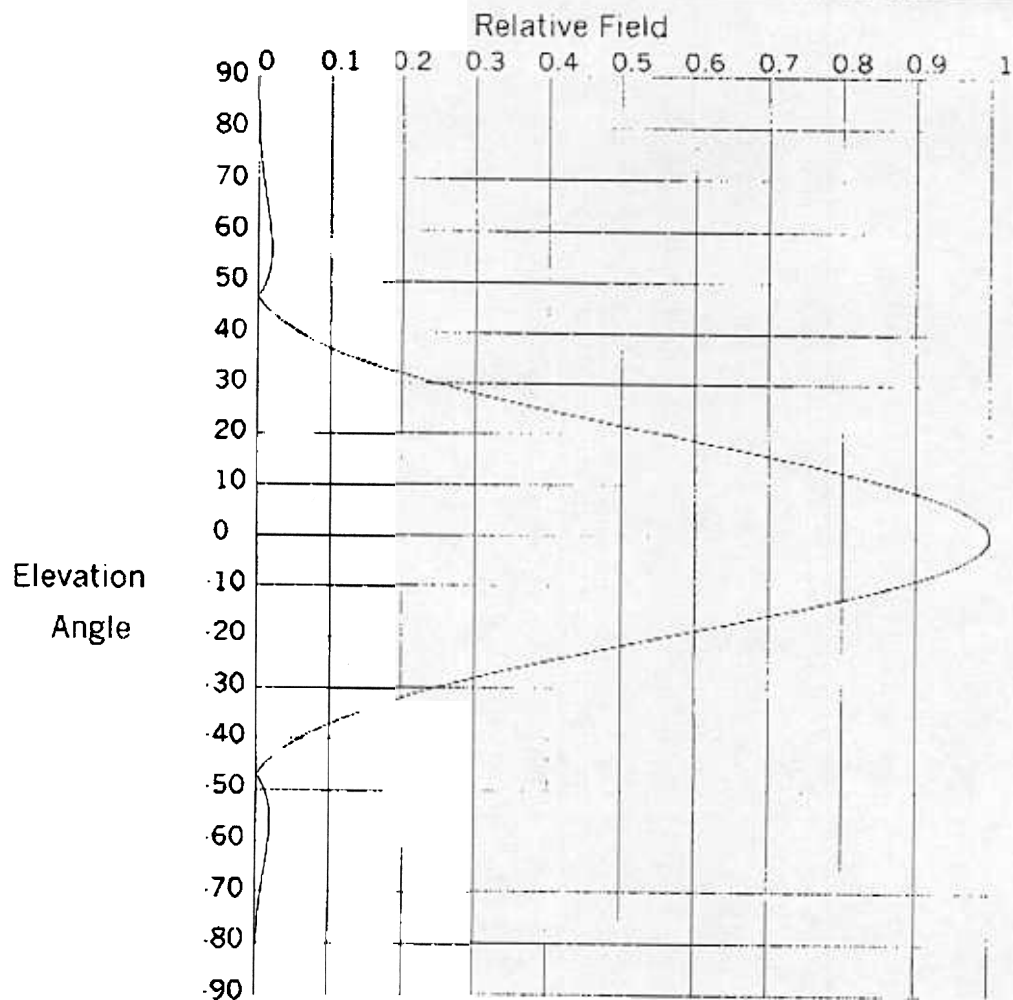


EXHIBIT B

EXHIBIT B1



Elevation Pattern

Scale: Linear

Units: Field, Relative

Antenna Concepts Inc.

CLIENT: *La Favorita Broadcasting / Nelson Gomez*

Date: 5/6/2002

ANTENNA TYPE: 4 Bay Ultra-Tracker with Reduced Side Lobes

FREQUENCY: 106.1

PATTERN POL.: Circular

DIRECTIVITY(Peak): 1.0 / 0.0 dBd

Beam Tilt (Deg.): 0

DIRECTIVITY(Horiz): 1.0 / 0.0 dBd

Null Fill(s)(%): 30, 0, 0