

## **ENGINEERING STATEMENT**

PROPOSED KYCY(AM) DAYTIME  
SAN FRANCISCO, CA  
1,550 kHz

APRIL 2001

The following materials have been prepared on behalf of INFINITY BROADCASTING CORPORATION, Licensee of KYCY(AM), San Francisco, California.

### **A NARRATIVE OF THE PROPOSED CHANGE**

KYCY now operates on 1,550 kHz with 10 kilowatts, using different directional antenna patterns for day and night. As can be seen in Exhibit E-1, the Licensed KYCY transmitter is on the west side of San Francisco Bay.

The instant application proposes to move the day antenna to the east side of the San Francisco Bay and to increase the day power to 50 kilowatts. No change is proposed herein to the nighttime operation. As shown in Exhibit C, the proposed facility would employ four towers arranged in a modified parallelogram. All four towers are identical in height.

It is proposed to erect these towers on top of a completed BFI landfill. The grade elevation at the bases of the towers is 31 meters AMSL. This is not the elevation inferred by the site map. The 31 meter elevation was determined by a site survey and supersedes the value inferred from the site map.

### **ALLOCATION MATTERS**

The following stations were deemed to be appropriate for study in regard to the daytime allocation:

#### **1530 kHz**

KFBK, Sacramento, CA

#### **1550 kHz**

KXEX, Fresno, CA

KXTO, Reno, NV

**1560 kHz**

KIQS, Willows, CA

**1570 kHz**

KTGE, Salinas, CA

No stations on 1520, 1540 or 1580 are sufficiently close to warrant study

There is grandfathered overlap between the Licensed KYCY and three other stations. KYCY presently causes contour overlap to KIQS, KXEX and KXTO. The contour overlap caused to the 0.5 mV/m contours of each of these stations by the instant proposal is reduced per Footnote 1 of FCC Part 73.37 and is therefore acceptable.

See the exhibit indicated in the following tabulation for demonstration of the overlap reduction:

	<b><u>STATION FREQUENCY</u></b>	<b><u>CONTOUR OVERLAP</u></b>	<b><u>ENGINEERING EXHIBIT</u></b>
KXEX, Fresno, CA	1550	KYCY .025 TO KXEX 0.5 (Reduced)	Exhibit G-3
KXTO, Reno, Nevada	1550	KYCY .025 TO KXTO 0.5 (Reduced)	Exhibit G-4
KIQS, Willows, CA	1560	KYCY 0.25 TO KIQS 0.5 (Reduced)	Exhibit G-5

KYCY also receives contour overlap to its 0.5 mV/m contour from KXTO and KIQS. Both of these overlaps were eliminated completely. See the exhibit indicated in the following tabulation for demonstration of the overlap elimination:

	<b><u>STATION FREQUENCY</u></b>	<b><u>CONTOUR OVERLAP</u></b>	<b><u>ENGINEERING EXHIBIT</u></b>
KXTO, Reno, Nevada	1550	KXTO .025 TO KYCY 0.5 (Eliminated)	Exhibit G-2
KIQS, Willows, CA	1560	KIQS 0.25 TO KYCY 0.5 (Eliminated)	Exhibit G-6

No measured conductivities were employed in this proposal. All day contours were determined based on Figure M-3 conductivities.

**CRITICAL HOURS CONSIDERATIONS**

There are no US, Class A stations on 1550 kHz requiring critical hours protection per Part 73.187(a)(1).

**POLICY FOR MINIMIZATION OF RFR EXPOSURE**

KYCY will surround the four towers with locked fences which are no closer to any tower base than 12 meters at the nearest point. The fences will be

placarded with warning signs such that the placards are visible from all directions of approach.

Maintenance personnel may enter these fences for brief periods for the purpose of meter readings without exceeding ANSI exposure standards. In the event that more lengthy work within the fences is required, or if riggers are required to climb the towers, the station power will be reduced to such a level that exposure limits are not exceeded. If no level of reduction will accomplish this goal, the station will be taken off the air until the work is completed and the personnel have left the fences.

### **ATTEST**

The attached materials were prepared by me or under my immediate supervision and are true and correct to the best of my knowledge and belief.

\_\_\_\_\_, April \_\_\_\_\_, 2001  
Glen Clark, P.E.  
Georgia registration #18713

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