

EXHIBIT 1.0
(Page 1 of 4)

PURPOSE OF APPLICATION

Journal Broadcast Corporation
Omaha, NE

KQCH presently operates on FM Channel 231C with a nondirectional effective radiated power of 100 kilowatts at 361 meters above average terrain. The attached application proposes to modify the KQCH license to reflect the replacement of the station's presently licensed eight bay nondirectional antenna with an Jampro JHPC-8R eight bay, 1.01 wavelength spaced, circularly polarized nondirectional antenna. The replacement antenna was mounted with its center of radiation at the same height above ground level (338 meters) as the presently licensed antenna. Since this substitution involves the replacement of an omnidirectional antenna with no change in antenna height or effective radiated power, it can be accomplished in the context of a license modification application. Figure 1.0.0 presents a vertical plan view depicting this modified antenna system.

There are no nondirectional AM broadcast facilities located within 0.8 kilometers of the KQCH transmitter site. Nor are there any AM directional broadcast stations located within 3.2 kilometers of this site. Thus, it is not necessary to demonstrate compliance with Section 73.1692 of the FCC Rules as a part of this application.

KQCH shares its replacement antenna with the facilities authorized by construction permit BPH-200200115AAN for KEZO-FM - Omaha, Nebraska. As a part of the implementation of the combined operation of KEZO-FM and KQCH into this antenna, spurious radiation measurements were conducted, as required by the terms of the KEZO-FM construction permit, to insure that any intermodulation products generated by the combined operation of KQCH and KEZO-FM into this antenna system meet the suppression require-

EXHIBIT 1.0
(Page 2 of 4)

ments outlined in Section 73.317(d) of the FCC Rules. The results of these measurements are included in Exhibit 1.1 to the attached application.

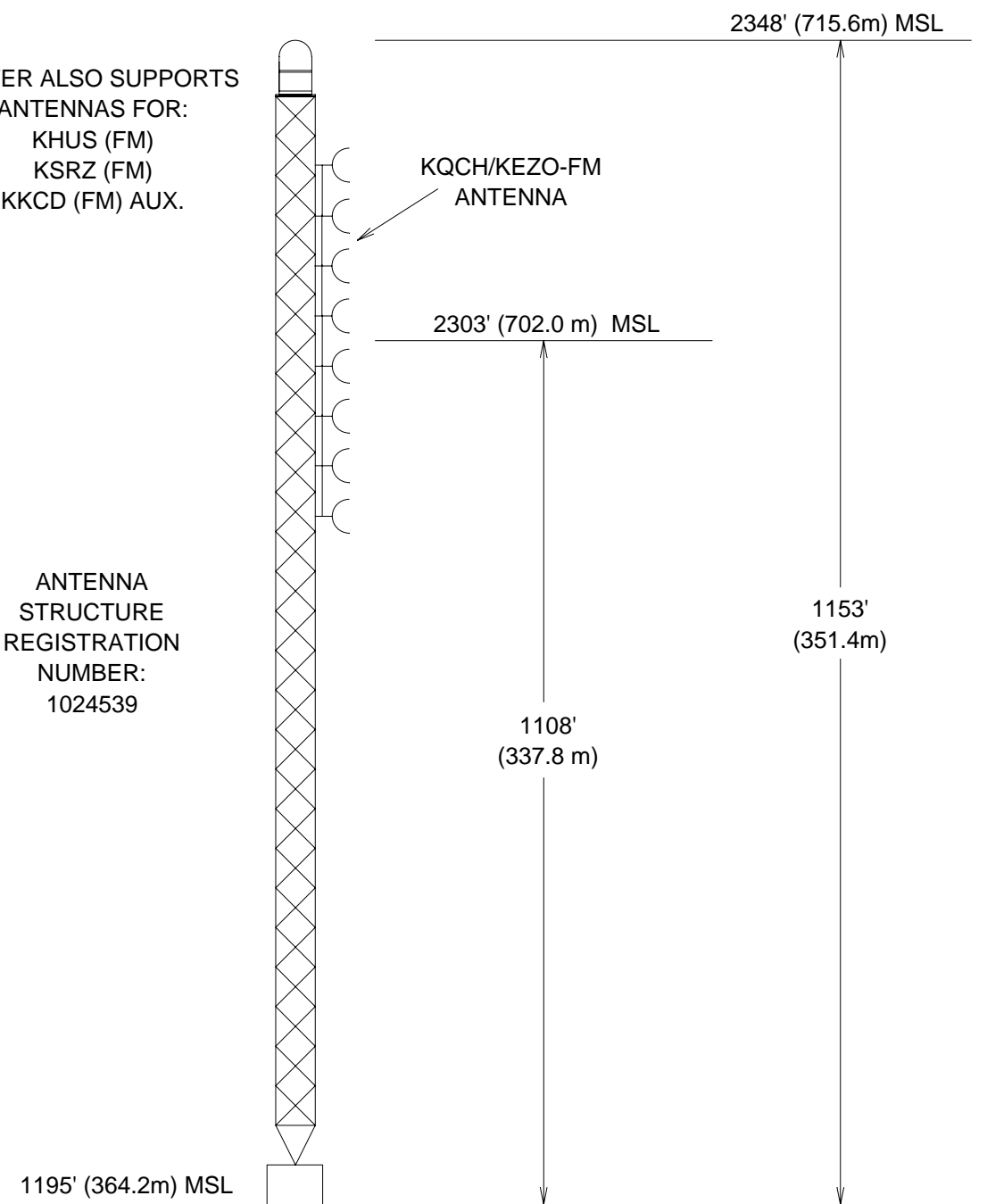
The modified KQCH facilities fully comply with the current FCC Standard with regard to human exposure to nonionizing radiation. The predicted power density levels at two meters above ground level for KQCH were calculated using the FCC's "FM Model" computer program. The results of these calculations are shown in Figure 1.0.1. As can be seen from an examination of this figure, the maximum predicted power density at two meters above ground level for the modified KQCH facilities is $6.6 \mu\text{W}/\text{cm}^2$, which occurs at a horizontal distance of 91 meters from the base of the tower. Since the permitted power density for uncontrolled exposure in the FM band is $200 \mu\text{W}/\text{cm}^2$, this amounts to only 3.3% of the permitted level. Since this value is less than 5% of the permitted level, the modified KQCH facilities are excluded from environmental processing under this standard and need not be considered in conjunction with other co-located or nearby facilities in evaluating uncontrolled exposure compliance with this standard.

KQCH, in conjunction with the other co-located facilities on this tower, will continue to take appropriate steps to insure that workers that must be on this tower will not be exposed to levels of nonionizing radiation that are in excess of the permitted level for controlled exposure. These steps will include the cessation of operation or a reduction in power by one or more of these stations, as appropriate, when work becomes necessary on this tower in the areas where the total power density levels are in excess of the permitted level for controlled exposure.

TOWER ALSO SUPPORTS
ANTENNAS FOR:
KHUS (FM)
KSRZ (FM)
KKCD (FM) AUX.

ANTENNA
STRUCTURE
REGISTRATION
NUMBER:
1024539

KQCH/KEZO-FM
ANTENNA



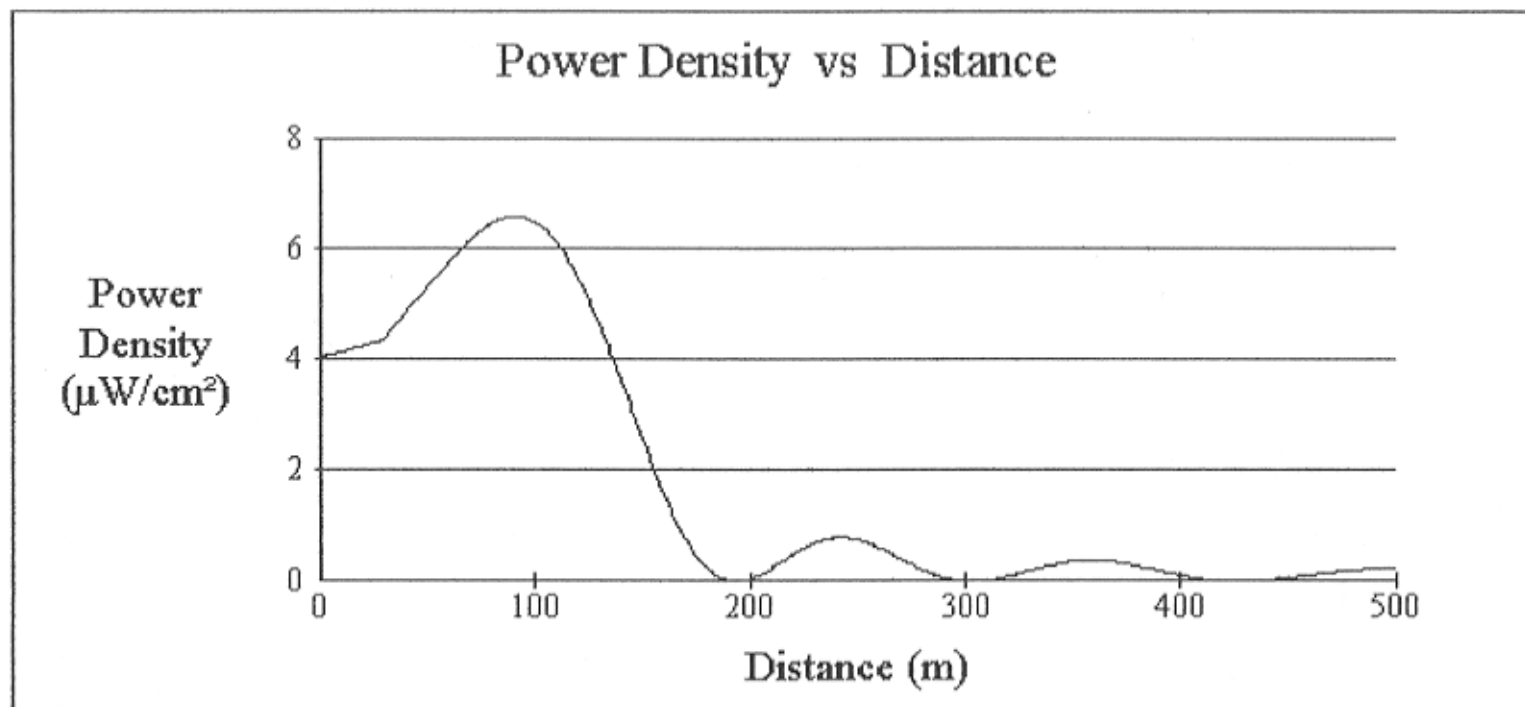
NOT TO SCALE

CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVE-MASS., RD. BOX 807
BATH, OHIO 44210-0807
(330) 659-4440

FIG. 1.0.0

VERTICAL PLAN VIEW

JOURNAL BROADCAST CORPORATION
OMAHA, NE



Office of Engineering and Technology

Distance (m):	500	Antenna Type:	Jampro "Double V" (EPA)
Horizontal ERP (W):	100000	Number of Elements:	8
Vertical ERP (W):	100000	Element Spacing:	1.01
Antenna Height (m):	338		

FIG. 1.0.1

KQCH POWER DENSITY CALCULATIONS

Journal Broadcast Corporation
Omaha, NE