



## **ENVIRONMENTAL STATEMENT**

The proposed change in the facility complies in full with the requirements of FCC RR Section 1.1307 and will have no significant environmental impact. The proposed site does not involve any of the conditions specified in Section 1.1307(a)(1)-(6) of the Rules.

The proposed change in the facility has been studied in accordance with the procedures set forth in the FCC OET Bulletin No. 65 "Evaluating Compliance With FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", Edition 97-01, and has been found to be in full compliance. This determination has been based upon calculations with the total radiated power from all co-located broadcast emitters. The total exposure as defined by the ANSI standard computations for occupational/controlled area is **0.93%** of the maximum allowable. The total exposure as defined by the ANSI standard computations for general population/uncontrolled area is **4.59%** of the maximum allowable levels. Summary sheets are attached showing the calculations. All FM & TV stations are included for the site.

Multiple Use FM/TV Tower					
Location:	KVTH-DT CH26A Hot Springs, AR			Date:	3/6/2008
Channel Frequency Type	Service	ERP (W)	Ant Center of Radiation AG (m)	% of ANSI/FCC Limit (6min)	% of ANSI/FCC Limit (30 min)
26A	TV UHF#1	66,400	130.00	0.07	0.35
105.9FM	FM #1	190,000	172.00	0.86	4.23
Total			%	0.93	4.59
IN COMPLIANCE					

KVTH-DT agrees to maintain full compliance with the safety precautions to workers on the tower (controlled) and the general public (uncontrolled) by reducing or removing radiated power during the time of construction or maintenance on or near the antenna. KVTH-DT also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from Radiofrequency Electromagnetic exposure in excess of FCC guidelines. Access to the site is controlled with a locked gate with RF radiation exposure warning signs posted on the gate as well as the entrance to the building and tower. The tower is existing.

KVTH-DT is believed to be in full compliance with the Environmental Impact and Commission Rules.

**RF RADIATION TO HUMAN EXPOSURE CALCULATIONS UHF#1**Call letters **KVTH-DT**

Date:

**3/6/2008**Lic City: **Hot Springs, AR****(UHF 300-1500 MHz)**Channel: **26A****ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65**

Peak Visual ERP: H+V

**0 W**

Aural ERP: H+V

**0 W**

DTV Average Pwr H+V

**66,400 W****Worst Case** downward radiation:**0.20****Typical relative field factor** in the downward direction:**0.10**

(from -60 to -90 degrees elevation)

Distance from ground to antenna center of radiation:

**130.0 m****A. Occupational/Controlled Exposure**

Actual

Highest power density:

**1.31  $\mu\text{W}/\text{cm}^2$** 

Power Density at ground level:

**0.0013  $\text{mW}/\text{cm}^2$** 

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier:

**545 MHz**

Required minimum ANSI standard:

**1.8167  $\text{mW}/\text{cm}^2$** 

Percentage of ANSI requirement:

**0.07 %****B. General Population/Uncontrolled Exposure**

Dist. of Person from ant/twr vert Plumb:

**20 m**

Dist. of Person from ant/twr Direct:

**131.5 m**

Actual

Highest power density:

**1.28  $\mu\text{W}/\text{cm}^2$** 

Power Density at ground level:

**0.0013  $\text{mW}/\text{cm}^2$** 

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier:

**545 MHz**

Required minimum ANSI standard:

**0.3633  $\text{mW}/\text{cm}^2$** 

Percentage of ANSI requirement:

**0.35 %**

**RF RADIATION TO HUMAN EXPOSURE CALCULATIONS FM #1**Call letters **KLAZ-FM**Date: **3/6/2008**Lic City: **Hot Springs, AR** (**FM 30-300 MHz**)Channel: **290C1**Frequency **105.9FM** MHz**ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65**Aural ERP: Horizontal **95,000 W**Aural ERP: Vertical **95,000 W****Worst Case** downward radiation: **0.30****Typical relative field factor** in the downward direction:  
(from -60 to -90 degrees elevation) **0.20**Distance from ground to antenna center of radiation: **172.0 m****A. Occupational/Controlled Exposure**

Actual

Highest power density: **8.58  $\mu\text{W}/\text{cm}^2$**   
Power Density at ground level: **0.0086  $\text{mW}/\text{cm}^2$** 

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **105.9 MHz**Required minimum ANSI standard: **1.0  $\text{mW}/\text{cm}^2$** Percentage of ANSI requirement: **0.86 %****B. General Population/Uncontrolled Exposure**Dist. of Person from ant/twr vert Plumb: **20 m**Dist. of Person from ant/twr Direct: **173.2 m**

Actual

Highest power density: **8.47  $\mu\text{W}/\text{cm}^2$**   
Power Density at ground level: **0.0085  $\text{mW}/\text{cm}^2$** 

ANSI Maximum Radiation Limit for this Channel -

Frequency of Visual Carrier: **105.9 MHz**Required minimum ANSI standard: **0.2  $\text{mW}/\text{cm}^2$** Percentage of ANSI requirement: **4.23 %**