

**MARSAND, INC.**

Matthew A. Sanderford, Jr., P.E.

EXHIBIT 1

March 3, 2003

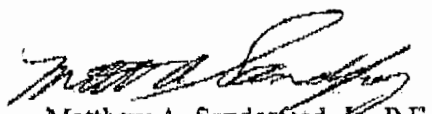
**ENVIRONMENTAL STATEMENT**

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. 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 is **178 microwatts** per square centimeter for occupational/controlled area. This is **15.28%** of the maximum allowable. The total exposure as defined by the ANSI standard computations is **155 microwatts** per square centimeter for general population/uncontrolled area. This is **66.67%** of the maximum allowable levels. Summary sheet is attached. All FM & TV stations are included for the site.

KCOS-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. KCOS-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.

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

  
Matthew A. Sanderford, Jr., P.E.  
President - MARSAND, INC.

Attachment: Summary sheet "Multiple Use FM/TV Tower"



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Multiple Use FM/TV Tower					
Location:	Station, City, State				3/3/2003
Channel Frequency Type	Service	ERP (W)	Ant Center of Radiation AG (m)	% of ANSI/FCC Limit (6min)	% of ANSI/FCC Limit (30 min)
30-D	TV UHF#1	1,000,000	50.00	2.82	12.15
0	TV UHF#2	-	1.00	0.00	0.00
0	TV UHF#3	-	1.00	0.00	0.00
0	TV UHF#4	-	1.00	0.00	0.00
0	TV UHF#5	-	1.00	0.00	0.00
0	TV UHF#6	-	1.00	0.00	0.00
0	TV UHF#7	-	1.00	0.00	0.00
13	TV VHF#1	246,400	92.00	1.77	8.44
0	TV VHF#2	-	1.00	0.00	0.00
0	ULPTV #1	-	1.00	0.00	0.00
0	ULPTV #2	-	1.00	0.00	0.00
88.5	FM #1	200,000	50.00	10.69	46.08
0	FM #2	-	1.00	0.00	0.00
0	FM #3	-	1.00	0.00	0.00
0	FM #4	-	1.00	0.00	0.00
0	FM #5	-	1.00	0.00	0.00
0	FM #6	-	1.00	0.00	0.00
0	LPFM#1	-	1.00	0.00	0.00
0	LPFM#2	-	1.00	0.00	0.00
Total			%	15.28	66.67
IN COMPLIANCE					

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**RF RADIATION TO HUMAN EXPOSURE CALCULATIONS #1**Call letters **KCOS**Date: **3/3/2003**Lic City: **El Paso, TX****(VF 30-300 MHz)**Channel: **13****ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65**Total Peak Visual ERP: H+V **224,000 W**Aural ERP: H+V **22,400 W**DTV Average Power H+V **0 W****Worst Case** downward radiation: **1.00****Typical relative field factor** in the downward direction: **0.20**

(from -60 to -90 degrees elevation)

Distance from ground to antenna center of radiation: **92.0 m****A. Occupational/Controlled Exposure**

Actual

Highest power density: **17.68  $\mu\text{W}/\text{cm}^2$** Power Density at ground level: **0.0177  $\text{mW}/\text{cm}^2$** **ANSI Maximum Radiation Limit for this Channel -**Frequency of Visual Carrier: **213 MHz**Required minimum ANSI standard: **1.0  $\text{mW}/\text{cm}^2$** Percentage of ANSI requirement: **1.77 %****B. General Population/Uncontrolled Exposure**Dist. of Person from ant/twr vert Plumb: **20 m**Dist. of Person from ant/twr Direct: **94.1 m**

Actual

Highest power density: **16.89  $\mu\text{W}/\text{cm}^2$** Power Density at ground level: **0.0169  $\text{mW}/\text{cm}^2$** **ANSI Maximum Radiation Limit for this Channel -**Frequency of Visual Carrier: **213 MHz**Required minimum ANSI standard: **0.2  $\text{mW}/\text{cm}^2$** Percentage of ANSI requirement: **8.44 %**

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

Date:

3/3/2003

Lic City: **El Paso, TX****(UHF 300-1500 MHz)**Channel: **30-D****ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65**Peak Visual ERP: **H+V** **1,000,000 W**Aural ERP: **H+V** **0 W**DTV Average Pwr **H+V** **0 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: **50.0 m****A. Occupational/Controlled Exposure**

Actual

Highest power density: **53.46  $\mu\text{W}/\text{cm}^2$** Power Density at ground level: **0.0535  $\text{mW}/\text{cm}^2$** **ANSI Maximum Radiation Limit for this Channel -**Frequency of Visual Carrier: **569 MHz**Required minimum ANSI standard: **1.8967  $\text{mW}/\text{cm}^2$** Percentage of ANSI requirement: **2.82 %****B. General Population/Uncontrolled Exposure**Dist. of Person from ant/twr vert Plumb: **20 m**Dist. of Person from ant/twr Direct: **53.9 m**

Actual

Highest power density: **46.08  $\mu\text{W}/\text{cm}^2$** Power Density at ground level: **0.0461  $\text{mW}/\text{cm}^2$** **ANSI Maximum Radiation Limit for this Channel -**Frequency of Visual Carrier: **569 MHz**Required minimum ANSI standard: **0.3793  $\text{mW}/\text{cm}^2$** Percentage of ANSI requirement: **12.15 %**

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**RF RADIATION TO HUMAN EXPOSURE CALCULATIONS FM #1**

Call letters KTEP

Date: 3/3/2003

Lic City: El Paso, TX

(FM 30-300 MHz)

Channel: 203C1

Frequency 88.5 MHz

**ANSI/IEEE C95.1-1992 & FCC OST/OET Bulletin Number 65**

Aural ERP: Horizontal 100,000 W

Aural ERP: Vertical 100,000 W

Worst Case downward radiation: 0.30

Typical relative field factor in the downward direction: 0.20

(from -60 to -90 degrees elevation)

Distance from ground to antenna center of radiation: 50.0 m

**A. Occupational/Controlled Exposure**

Actual

Highest power density: 106.91  $\mu\text{W}/\text{cm}^2$ Power Density at ground level: 0.1069  $\text{mW}/\text{cm}^2$ **ANSI Maximum Radiation Limit for this Channel -**

Frequency of Visual Carrier: 88.5 MHz

Required minimum ANSI standard: 1.0  $\text{mW}/\text{cm}^2$ 

Percentage of ANSI requirement: 10.69 %

**B. General Population/Uncontrolled Exposure**

Dist. of Person from ant/twr vert Plumb: 20 m

Dist. of Person from ant/twr Direct: 53.9 m

Actual

Highest power density: 92.16  $\mu\text{W}/\text{cm}^2$ Power Density at ground level: 0.0922  $\text{mW}/\text{cm}^2$ **ANSI Maximum Radiation Limit for this Channel -**

Frequency of Visual Carrier: 88.5 MHz

Required minimum ANSI standard: 0.2  $\text{mW}/\text{cm}^2$ 

Percentage of ANSI requirement: 46.08 %