

# Radiofrequency Electromagnetic Field Exposure Report

KLVP (Auxiliary) Aloha, OR

FIN: 12501

97.9 MHz

October 25, 2016

Steve Wilde  
5700 West Oaks Blvd  
Rocklin, CA 95765  
swilde@emfbroadcasting.com

## TABLE OF CONTENTS

Introduction .....	3
Equipment .....	3
Summary .....	3
Drawings .....	4
KLVP(Aux) RF Exposure Measurement Area .....	4
Measurement Points .....	5
General Public and Occupational RFR Measurements .....	5

## Introduction

The permittee for the KLVP Auxiliary construction permit (file number BXPED-20160511ABK) is Educational Media Foundation. Per special operating condition #2, upon completion of construction and during the equipment test period the permittee shall make proper radiofrequency electromagnetic (RF) field strength measurements throughout the transmitter site area to determine if there are any areas that exceed the FCC guidelines for human exposure to RF fields. Stephen Wilde, an RF Engineer employed by Educational Media Foundation, completed the KLVP RF Exposure Study using a Narda SRM3000 instrument which properly analyzes and compensates for frequency dependent variables in the requirements of OET-65. Measurements were taken while slowly moving the probe between approximately 2 and 8 feet above ground, as well as side-to-side while walking to and from each measurement point. If an area had higher than average readings, further investigation was conducted to determine the extent of the area.

## Equipment

- Narda SRM-3000 Serial # B-0070
- Date of Calibration: 3/17/2014
- Antenna Type: 3AX-50M-3G Serial # B-0057
- Firmware: SRM-FW V1.5.6

## Summary

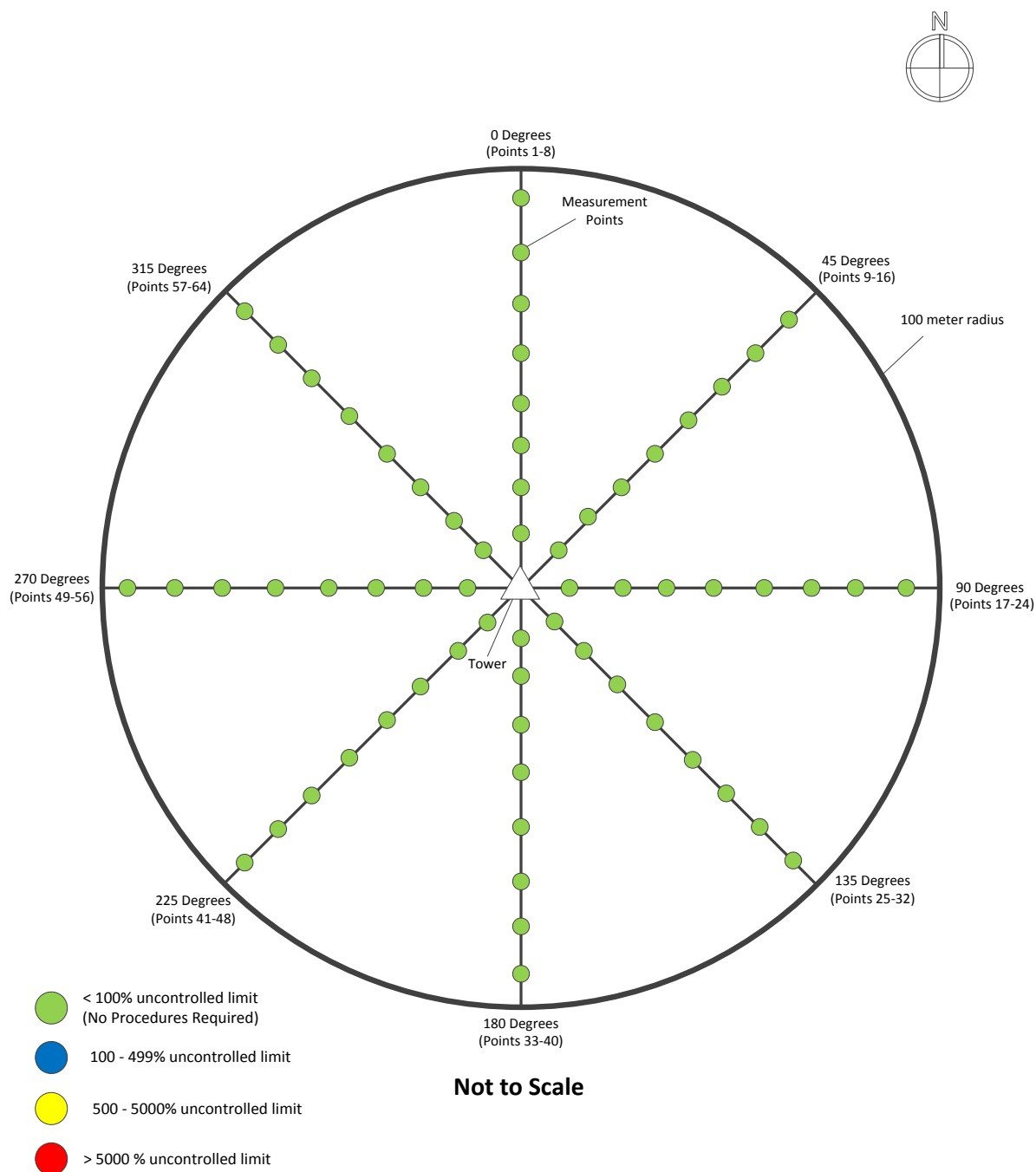
KLVP was confirmed to be operating at 100% ERP at the time of measurements. Measurement points were recorded along eight 100 meter walking radials, as well as throughout the accessible areas of the facility.

All areas throughout the facility were measured to be below 100% of the uncontrolled limits of OET-65.

Therefore, KLVP (Aux) fully complies with the FCC's maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

# Drawings

## KLVP(Aux) RF Exposure Measurement Area



## Measurement Points

### General Public and Occupational RFR Measurements

Point	Total General Public RFR %	General Public RFR % at 97.9 MHz	Total Occupational RFR %	Occupational RFR % at 97.9 MHz
1	12.37	0.11	2.47	0.02
2	12.37	0.11	2.47	0.02
3	12.49	0.27	2.50	0.05
4	12.49	0.27	2.50	0.05
5	12.49	0.27	2.50	0.05
6	12.60	0.37	2.52	0.07
7	12.60	0.37	2.52	0.07
8	12.60	0.37	2.52	0.07
9	12.88	0.58	2.58	0.12
10	12.98	0.67	2.60	0.13
11	12.98	0.67	2.60	0.13
12	12.98	0.67	2.60	0.13
13	12.87	0.53	2.57	0.11
14	12.87	0.53	2.57	0.11
15	12.90	0.49	2.58	0.10
16	12.90	0.49	2.58	0.10
17	12.90	0.49	2.58	0.10
18	12.78	0.38	2.56	0.08
19	12.78	0.38	2.56	0.08
20	12.78	0.38	2.56	0.08
21	12.78	0.38	2.56	0.08
22	12.50	0.21	2.50	0.04
23	12.50	0.21	2.50	0.04
24	12.50	0.21	2.50	0.04
25	12.50	0.21	2.50	0.04
26	12.50	0.21	2.50	0.04
27	12.50	0.21	2.50	0.04
28	12.40	0.21	2.48	0.04
29	12.44	0.15	2.49	0.03
30	12.44	0.15	2.49	0.03
31	12.44	0.15	2.49	0.03
32	12.48	0.18	2.50	0.04

33	12.48	0.18	2.50	0.04
34	12.48	0.18	2.50	0.04
35	12.48	0.18	2.50	0.04
36	12.59	0.20	2.52	0.04
37	12.96	0.21	2.59	0.04
38	12.87	0.23	2.57	0.05
39	12.87	0.23	2.57	0.05
40	12.87	0.23	2.57	0.05
41	12.87	0.23	2.57	0.05
42	12.87	0.32	2.57	0.06
43	12.87	0.32	2.57	0.06
44	12.87	0.32	2.57	0.06
45	13.23	0.63	2.65	0.13
46	13.21	0.63	2.64	0.13
47	13.21	0.63	2.64	0.13
48	13.21	0.63	2.64	0.13
49	13.21	0.63	2.64	0.13
50	13.21	0.63	2.64	0.13
51	13.56	0.90	2.71	0.18
52	13.64	0.92	2.73	0.18
53	13.69	1.02	2.74	0.20
54	13.69	1.02	2.74	0.20
55	13.69	1.02	2.74	0.20
56	13.69	1.02	2.74	0.20
57	13.69	1.02	2.74	0.20
58	13.69	1.02	2.74	0.20
59	13.56	0.89	2.71	0.18
60	13.64	0.92	2.73	0.18
61	13.21	0.63	2.64	0.13
62	13.21	0.63	2.64	0.13
63	12.87	0.23	2.57	0.05
64	12.50	0.21	2.50	0.04