

Radiofrequency Electromagnetic Field Exposure Report

KLUU Wahiawa, HI

FIN: 164206

103.5 MHz

July 11, 2015

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Introduction

The licensee for the KLUU Construction Permit is Educational Media Foundation. Steve Wilde is a Broadcast Engineer employed by Education Media Foundation. Steve Wilde completed the KLUU RFR Study on July 11, 2015. RFR measurements were recorded at the KLUU site 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

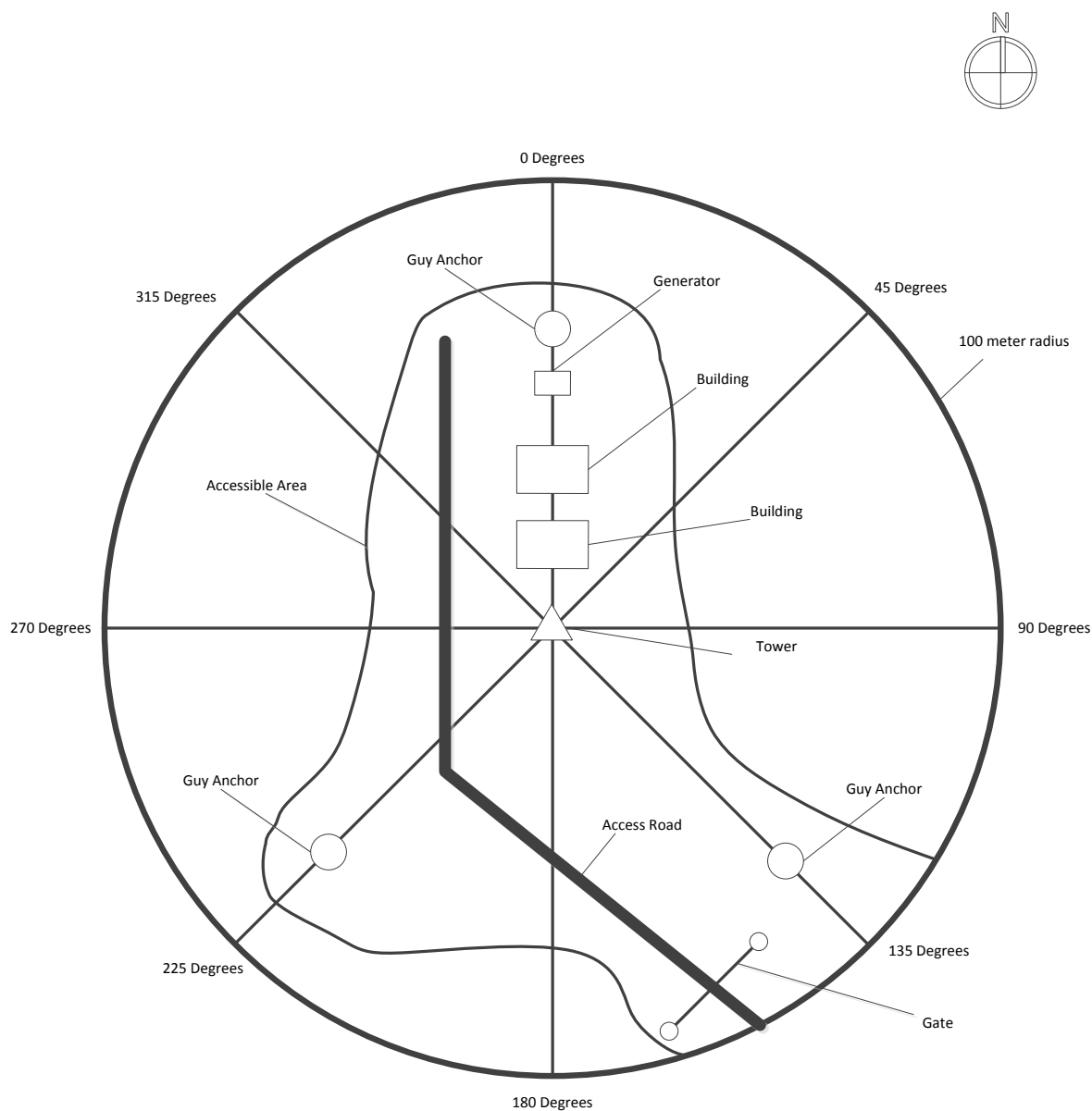
Summary

KLUU was confirmed to be operating at 100% ERP at the time of measurements. A total of 64 measurement points were recorded throughout the accessible areas of the facility.

No areas were found that are over 100% of the uncontrolled limits of OET-65. Therefore, KLUU fully complies with the FCC's maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

Drawings

KLUU RFR Measurement Area



Not to Scale

Measurements

General Public and Occupational RFR Measurements

Point	Total General Public RFR %	Total Occupational RFR %	General Public RFR % at 103.5 MHz	Occupational RFR % at 103.5 MHz
1	21.15	4.23	0.25	0.05
2	20.30	4.06	0.25	0.05
3	20.30	4.06	0.25	0.05
4	19.85	3.97	0.31	0.06
5	19.85	3.97	3.50	0.70
6	19.85	3.97	0.35	0.07
7	19.45	3.89	0.45	0.09
8	19.45	3.89	0.45	0.09
9	18.60	3.72	0.40	0.08
10	18.95	3.79	2.65	0.53
11	18.95	3.79	0.45	0.09
12	18.95	3.79	0.45	0.09
13	18.95	3.79	0.45	0.09
14	19.60	3.92	0.60	0.12
15	19.60	3.92	0.60	0.12
16	19.60	3.92	0.60	0.12
17	20.25	4.05	0.50	0.10
18	19.20	3.84	0.45	0.09
19	19.20	3.84	0.45	0.09
20	19.20	3.84	0.45	0.09
21	19.20	3.84	0.45	0.09
22	19.20	3.84	0.45	0.09
23	18.40	3.68	0.40	0.08
24	18.40	3.68	0.40	0.08
25	18.40	3.68	0.40	0.08
26	17.75	3.55	0.35	0.07
27	17.25	3.45	2.70	0.54
28	17.30	3.46	0.30	0.06
29	17.30	3.46	0.30	0.06
30	17.30	3.46	0.30	0.06
31	17.30	3.46	0.30	0.06
32	17.30	3.46	0.30	0.06

33	21.15	4.23	0.45	0.09
34	19.85	3.97	0.45	0.09
35	19.85	3.97	0.45	0.09
36	19.85	3.97	0.45	0.09
37	19.85	3.97	0.45	0.09
38	19.85	3.97	0.45	0.09
39	19.45	3.89	0.50	0.10
40	19.45	3.89	0.50	0.10
41	28.00	5.60	1.10	0.22
42	29.30	5.86	1.30	0.26
43	29.30	5.86	1.30	0.26
44	29.30	5.86	1.30	0.26
45	29.30	5.86	1.30	0.26
46	27.45	5.49	1.05	0.21
47	27.45	5.49	1.05	0.21
48	27.45	5.49	1.05	0.21
49	28.85	5.77	1.70	0.34
50	28.85	5.77	1.70	0.34
51	28.85	5.77	1.70	0.34
52	28.80	5.76	1.60	0.32
53	27.50	5.50	1.30	0.26
54	27.50	5.50	1.30	0.26
55	27.50	5.50	1.30	0.26
56	27.50	5.50	1.30	0.26
57	25.00	5.00	1.10	0.22
58	25.00	5.00	1.10	0.22
59	25.50	5.10	1.15	0.23
60	25.50	5.10	1.15	0.23
61	25.50	5.10	1.15	0.23
62	25.50	5.10	1.15	0.23
63	23.75	4.75	1.00	0.20
64	23.75	4.75	1.00	0.20