

Radiofrequency Electromagnetic Field Exposure Measurements

KSRV Auxiliary

Ontario, OR

FIN: 35638

96.1 MHz

October 2, 2023

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Introduction

The permittee for the KSRV Auxiliary construction permit (file number 0000151793) is Iliad Media Group Holdings Inc. The Radiofrequency Exposure Study was completed on October 2nd, 2021. Measurements were recorded at the facility using a Narda SRM 3000 instrument which properly analyzes and compensates for frequency dependent variables in the requirements of OET-65. Measurements were taken while slowly moving the instrument probe between approximately two and eight 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
- ☐ SN: N-0010
- ☐ Firmware: SRM-FW V1.5.6

Summary

The KSRV Auxiliary transmissions were operating at 100% ERP prior to recording measurements. Measurement points were recorded along eight equally spaced radials as well as throughout the accessible areas of the facility.

All measurements recorded at the 96.1 MHz frequency were measured to be below 100% of the uncontrolled limits of OET-65.

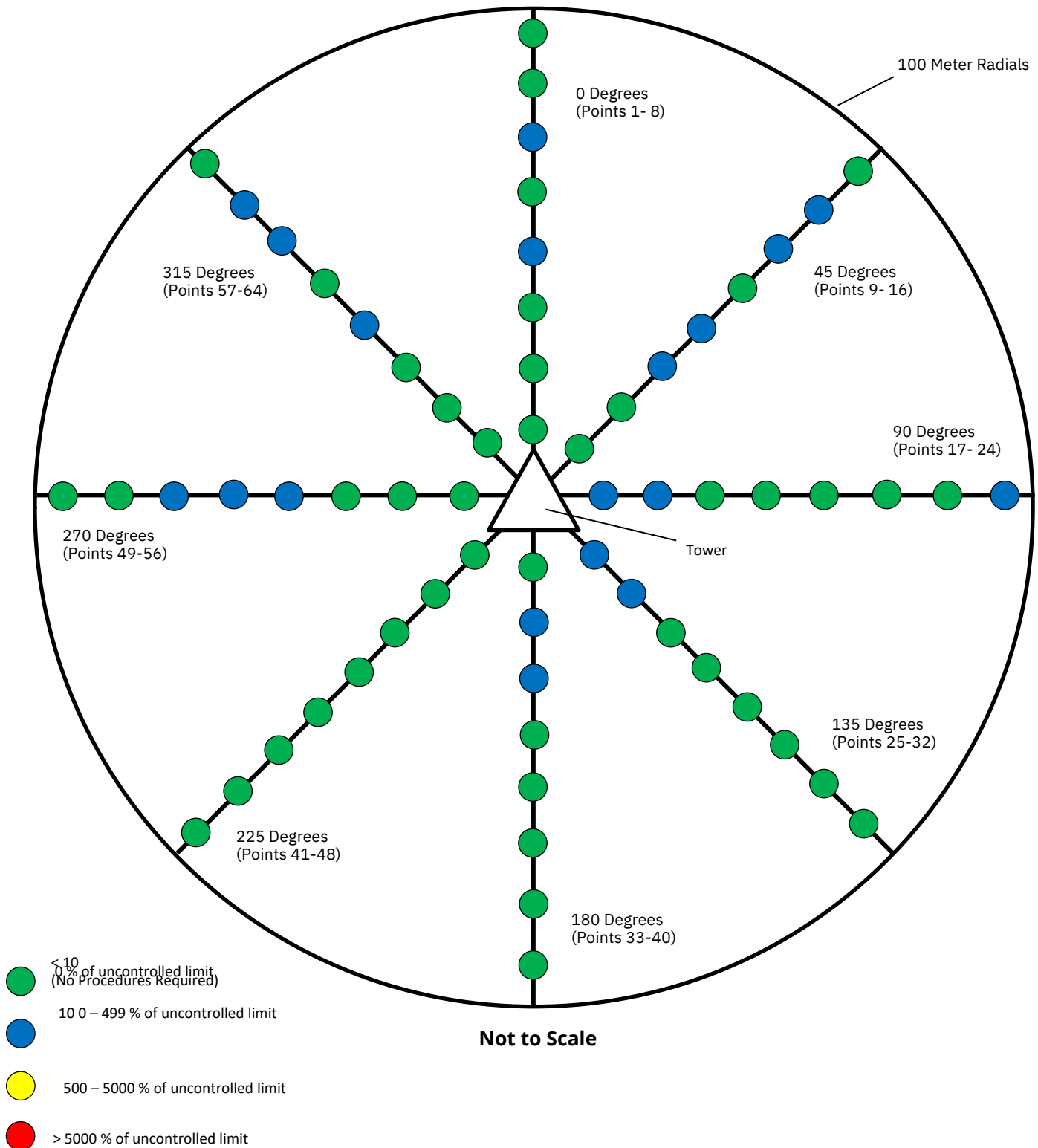
The highest overall (wideband) measurement recorded throughout the 100 meter radial area was 193.24 % of the public (uncontrolled) exposure limits of OET-65. The permittee will ensure access to these areas will be restricted from the public. Therefore, the facility will use the worker (controlled) exposure limits of OET-65. The highest overall (wideband) controlled measurement recorded throughout the 100 meter radial area was 27.73% of the worker (controlled) exposure limits of OET-65. The permittee has installed and will maintain appropriate signage throughout the areas of the facility.

Therefore, the KSRV Auxiliary facility fully complies with the FCC's maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

Lastly, though the site will fully comply with the FCC's controlled and uncontrolled exposure limits, access to the site will be restricted and appropriately marked with signage. When it becomes necessary for workers to ascend the antenna structure, the permittee will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Drawings

RF Exposure Measurement Area



Measurement Points

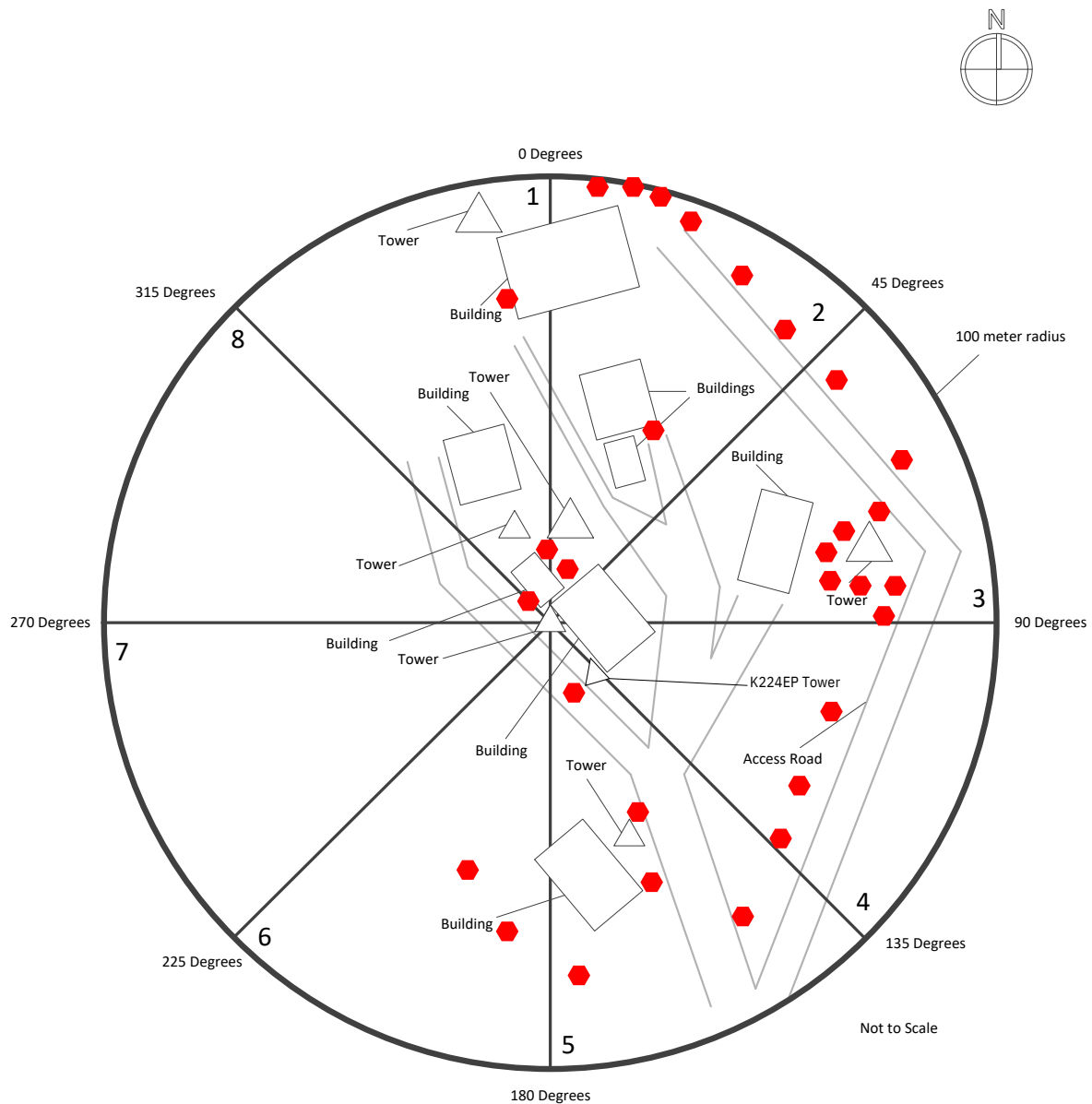
General Public and Occupational Exposure Measurement Points

Point	Total General Public %	General Public % 96.1 MHz	Total Occupational %	Occupational % 96.1 MHz
1	79.55	4.28	15.91	0.86
2	78.09	6.44	15.62	1.29
3	78.09	6.44	15.62	1.29
4	102.70	8.71	20.54	1.74
5	95.81	5.51	19.16	1.10
6	129.99	3.34	26.00	0.67
7	80.35	2.42	16.07	0.48
8	70.50	2.30	14.10	0.46
9	85.62	5.01	17.12	1.00
10	79.72	1.97	15.94	0.39
11	127.72	8.49	25.54	1.70
12	124.68	9.17	24.94	1.83
13	86.88	5.95	17.38	1.19
14	110.00	4.05	22.00	0.81
15	110.00	4.05	22.00	0.81
16	99.20	1.37	19.84	0.27
17	151.48	8.83	30.30	1.77
18	145.73	4.51	29.15	0.90
19	34.96	4.82	6.99	0.96
20	43.71	9.89	8.74	1.98
21	43.71	9.89	8.74	1.98
22	40.58	1.20	8.12	0.24
23	43.03	1.99	8.61	0.40
24	123.81	13.17	24.76	2.63
25	151.37	3.49	30.27	0.70
26	139.10	4.69	27.82	0.94
27	53.71	9.32	10.74	1.86
28	44.21	4.33	8.84	0.87
29	44.21	4.33	8.84	0.87
30	38.63	2.55	7.73	0.51
31	33.39	5.69	6.68	1.14
32	33.39	5.69	6.68	1.14
33	82.00	8.19	16.40	1.64
34	143.64	10.87	28.73	2.17


SWE Services, LLC

35	102.49	11.48	20.50	2.30
36	67.27	10.14	13.45	2.03
37	67.27	10.14	13.45	2.03
38	78.04	9.87	15.61	1.97
39	66.45	6.70	13.29	1.34
40	68.75	5.06	13.75	1.01
41	43.30	3.96	8.66	0.79
42	42.49	6.11	8.50	1.22
43	34.07	5.94	6.81	1.19
44	65.07	10.51	13.01	2.10
45	48.18	3.84	9.64	0.77
46	48.18	3.84	9.64	0.77
47	42.61	6.57	8.52	1.31
48	48.67	3.51	9.73	0.70
49	36.82	2.44	7.36	0.49
50	33.80	2.71	6.76	0.54
51	99.73	5.02	19.95	1.00
52	172.57	2.15	34.51	0.43
53	193.24	1.14	38.65	0.23
54	137.69	0.94	27.54	0.19
55	34.04	0.05	6.81	0.01
56	26.85	0.09	5.37	0.02
57	26.56	0.09	5.31	0.02
58	26.56	0.09	5.31	0.02
59	25.94	0.12	5.19	0.02
60	122.81	2.81	24.56	0.56
61	72.88	7.86	14.58	1.57
62	106.94	7.90	21.39	1.58
63	122.71	0.83	24.54	0.17
64	66.82	3.38	13.36	0.68

Electromagnetic Field Radiation Hazard Warning Signs marking hazards at the Deer Point Communications Site , Boise, Idaho



Access to entire site is controlled by a locked gate.

 = Electromagnetic Field Radiation Hazard Warning Signs

Hazard Warning Sign



Hazard Sign at Gate

