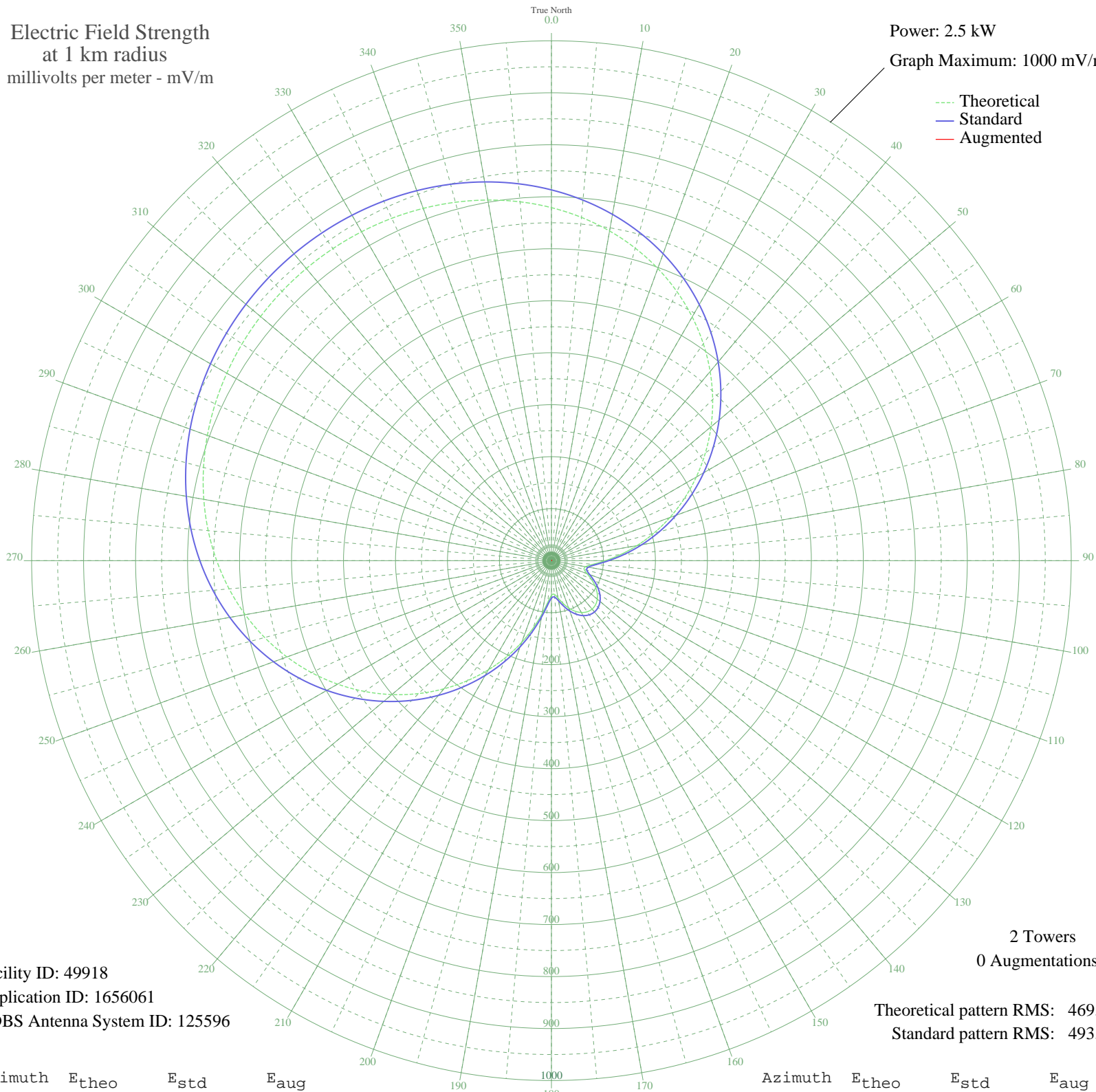


**KRPA OAK HARBOR, WA BP-20141030AAL 1110 kHz**

**Nighttime**

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 2.5 kW  
Graph Maximum: 1000 mV/m



Facility ID: 49918  
Application ID: 1656061  
CDBS Antenna System ID: 125596

2 Towers  
0 Augmentations

Theoretical pattern RMS: 469.80  
Standard pattern RMS: 493.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	679.11	713.26	
5	662.84	696.18	
10	643.99	676.39	
15	622.44	653.77	
20	598.16	628.29	
25	571.16	599.95	
30	541.52	568.84	
35	509.39	535.12	
40	475.00	499.03	
45	438.65	460.88	
50	400.69	421.05	
55	361.56	380.01	
60	321.75	338.25	
65	281.79	296.35	
70	242.26	254.92	
75	203.81	214.65	
80	167.19	176.33	
85	133.34	140.99	
90	103.64	110.08	
95	80.31	85.95	
100	66.70	71.98	
105	65.10	70.35	
110	72.86	78.28	
115	84.64	90.41	
120	96.72	102.91	
125	107.19	113.77	
130	115.11	122.00	
135	120.00	127.09	
140	121.65	128.81	
145	120.00	127.09	
150	115.11	122.00	
155	107.19	113.77	
160	96.72	102.91	
165	84.64	90.41	
170	72.86	78.28	
175	65.10	70.35	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	66.70	71.98	
185	80.31	85.95	
190	103.64	110.08	
195	133.34	140.99	
200	167.19	176.33	
205	203.81	214.65	
210	242.26	254.92	
215	281.79	296.35	
220	321.75	338.25	
225	361.56	380.01	
230	400.69	421.05	
235	438.65	460.88	
240	475.00	499.03	
245	509.39	535.12	
250	541.52	568.84	
255	571.16	599.95	
260	598.16	628.29	
265	622.44	653.77	
270	643.99	676.39	
275	662.84	696.18	
280	679.11	713.26	
285	692.91	727.74	
290	704.40	739.81	
295	713.75	749.62	
300	721.13	757.37	
305	726.69	763.21	
310	730.56	767.27	
315	732.84	769.67	
320	733.60	770.46	
325	732.84	769.67	
330	730.56	767.27	
335	726.69	763.21	
340	721.13	757.37	
345	713.75	749.62	
350	704.40	739.81	
355	692.91	727.74	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

25 Dec 2015

Prepared by Audio Division, Media Bureau  
Federal Communications Commission