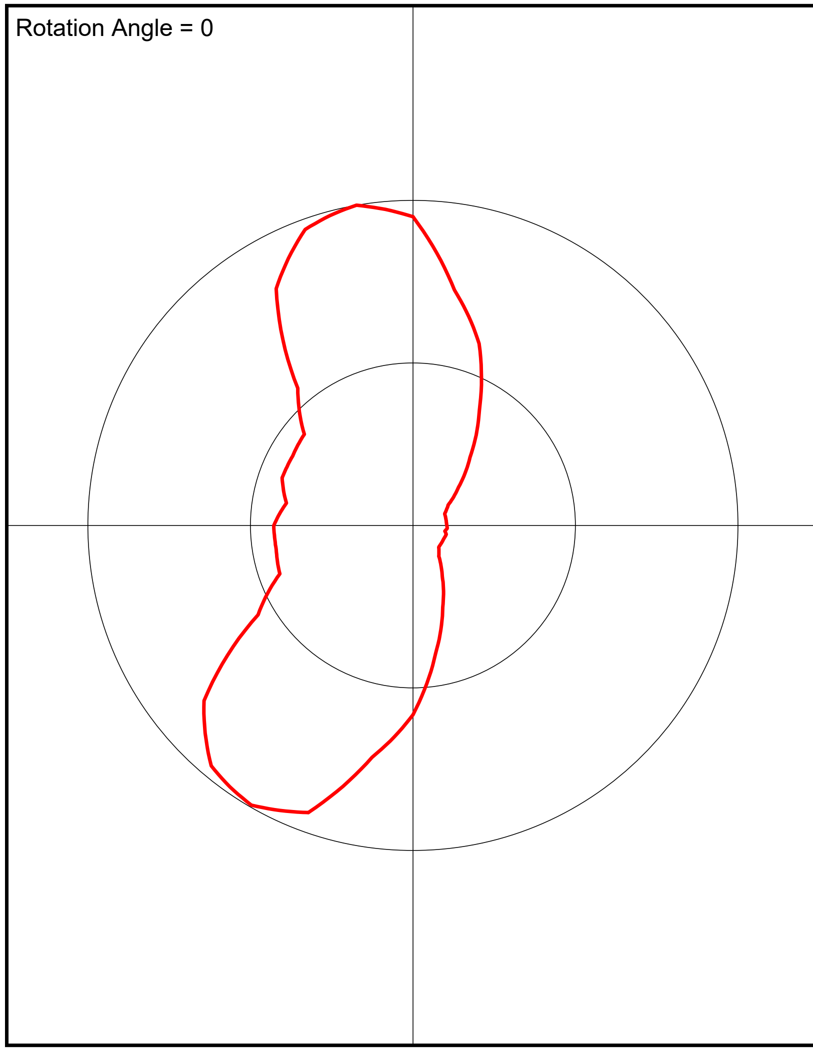
KRBK Distributed Transmission System
Channel 22 – Osage Beach, MO
Site #4 of Five Total Sites
Antenna Specifications
June, 2017

DIRECTIONAL ANTENNA

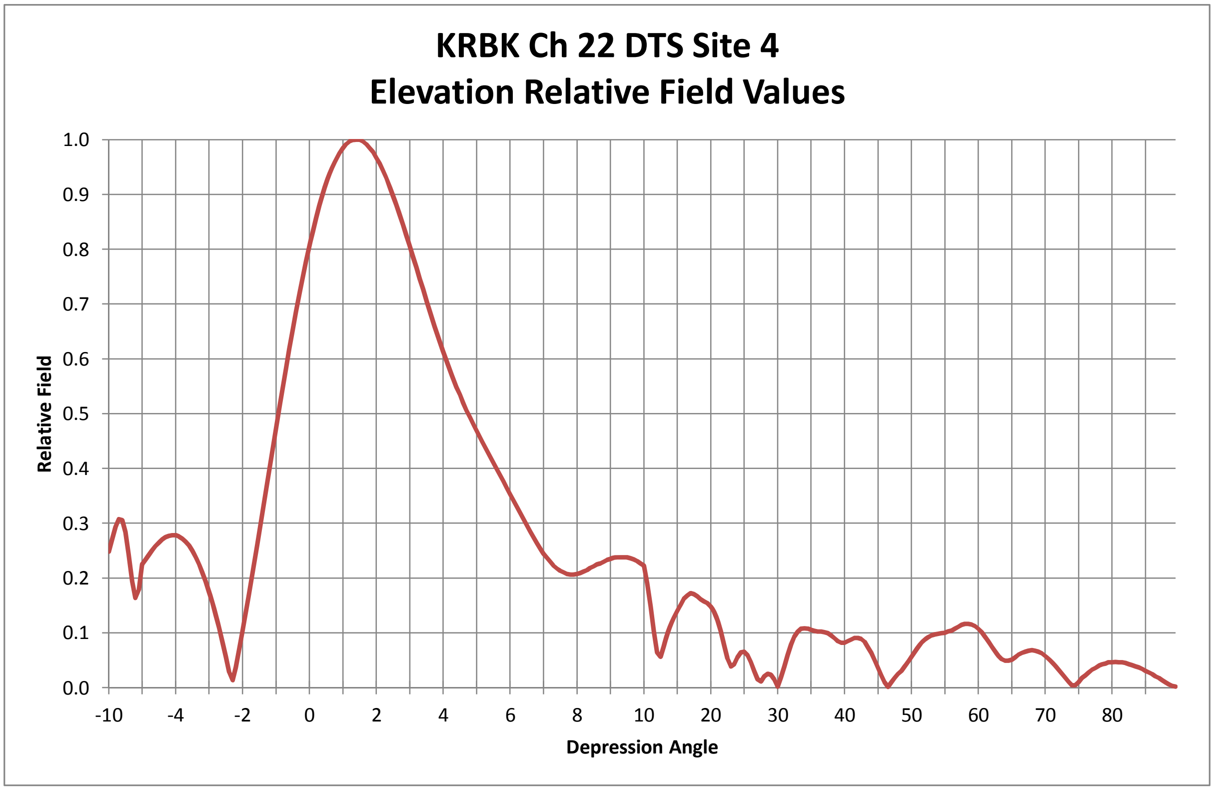
AZIMUTH PATTERN
and
ELEVATION PATTERN
In Relative Field

KRBK Site 4 Antenna Pattern

Pre-Rotation Antenna Pattern....



Azimuth (deg)	Relative Field
0.0	0.9494
5.0	0.8413
10.0	0.7353
15.0	0.6647
20.0	0.5952
25.0	0.4991
30.0	0.4087
35.0	0.3392
40.0	0.273
45.0	0.2266
50.0	0.1835
55.0	0.1526
60.0	0.125
65.0	0.1138
70.0	0.1039
75.0	0.1036
80.0	0.1034
85.0	0.1033
90.0	0.1042
95.0	0.1062
100.0	0.0997
105.0	0.1063
110.0	0.1043
115.0	0.1032
120.0	0.1032
125.0	0.1032
130.0	0.1035
135.0	0.1132
140.0	0.1239
145.0	0.1508
150.0	0.1807
155.0	0.2228
160.0	0.2681
165.0	0.3323
170.0	0.4004
175.0	0.4888
180.0	0.5826
185.0	0.6525
190.0	0.7242
195.0	0.8306
200.0	0.9396
205.0	0.9675
210.0	0.9934
215.0	0.9816
220.0	0.9651
225.0	0.9036
230.0	0.8388
235.0	0.6961
240.0	0.5499
245.0	0.4928
250.0	0.4356
255.0	0.4313
260.0	0.4269
265.0	0.427
270.0	0.428
275.0	0.4116
280.0	0.3951
285.0	0.4117
290.0	0.4282
295.0	0.4271
300.0	0.4271
305.0	0.4317
310.0	0.4361
315.0	0.4935
320.0	0.5508
325.0	0.6974
330.0	0.8408
335.0	0.906
340.0	0.9687
345.0	0.9865
350.0	1.0
355.0	0.9758



Depression Angle	Relative Field	Site 4 ERP (kW)
-10.0	0.248	2.62
-5.0	0.225	2.15
0.0	0.806	27.67
0.5	0.920	36.08
1.0	0.985	41.31
1.5	1.000	42.60
2.0	0.967	39.86
2.5	0.898	34.35
3.0	0.806	27.67
3.5	0.707	21.28
4.0	0.614	16.05
4.5	0.534	12.16
5.0	0.469	9.36
5.5	0.411	7.18
6.0	0.353	5.32
6.5	0.296	3.74
7.0	0.244	2.54
7.5	0.214	1.94
8.0	0.207	1.83
8.5	0.222	2.09
9.0	0.235	2.35
9.5	0.238	2.41
10.0	0.223	2.11

Depression Angle	Relative Field	Site 4 ERP (kW)
10.5	0.191	1.55
11.0	0.148	0.93
11.5	0.102	0.44
12.0	0.064	0.18
12.5	0.056	0.13
13.0	0.076	0.24
13.5	0.097	0.40
14.0	0.114	0.56
14.5	0.128	0.69
15.0	0.140	0.83
15.5	0.151	0.97
16.0	0.162	1.12
16.5	0.169	1.21
17.0	0.173	1.27
17.5	0.171	1.24
18.0	0.167	1.18
18.5	0.161	1.11
19.0	0.157	1.05
19.5	0.154	1.01
20.0	0.148	0.93
20.5	0.139	0.82
21.0	0.124	0.65
21.5	0.103	0.45