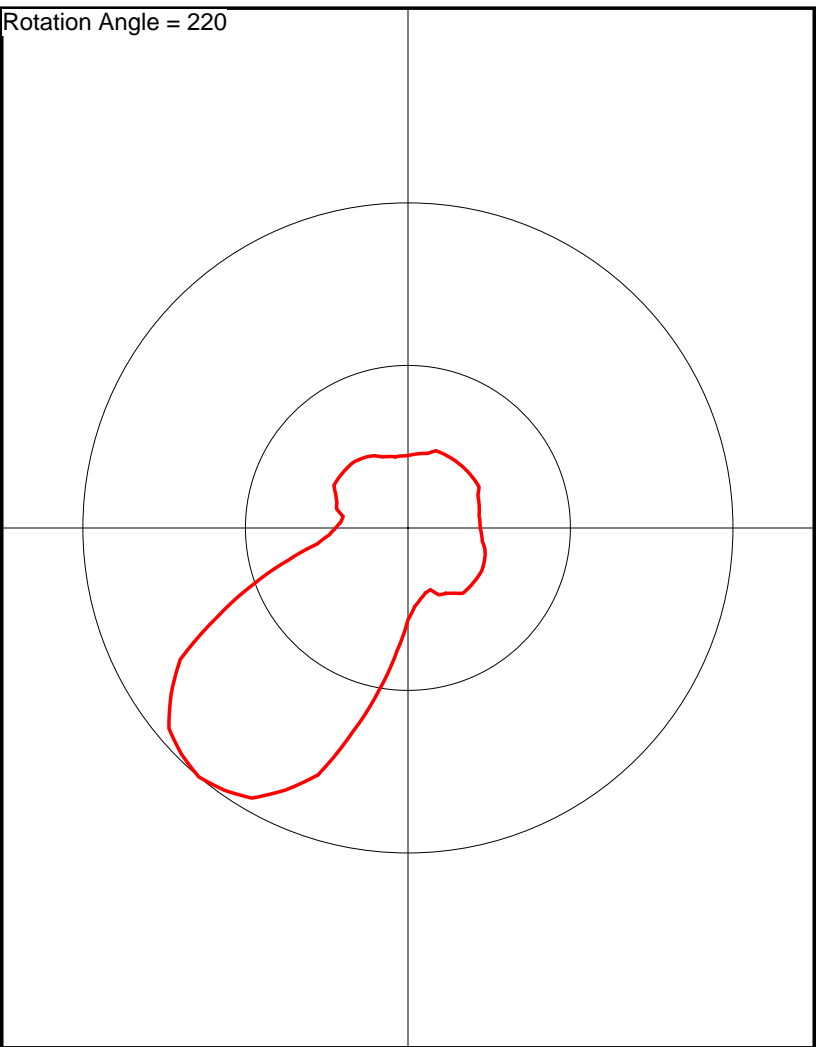


Exhibit E-41

This exhibit contains the required directional antenna data. The proposed antenna would be manufactured by Radio Frequency Systems, and would be a model LPR8D-1424. The antenna would not be located in the vicinity of any AM arrays or in proximity to antennas close in frequency.

KTVH-DT Proposed Pattern as Rotated
Pre-Rotation Antenna Pattern....

Rotation Angle = 220



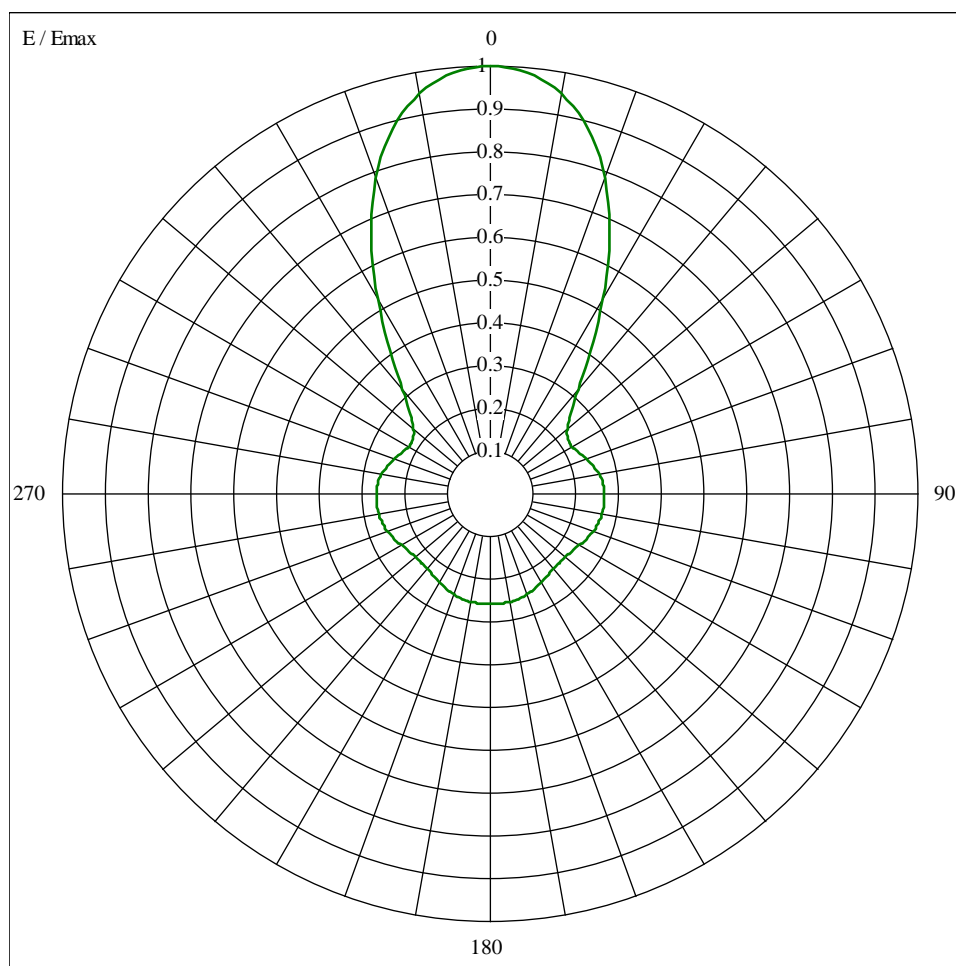
Azimuth (deg)	Effective Field
0.0	1.000
5.0	0.985
10.0	0.960
15.0	0.889
20.0	0.808
25.0	0.646
30.0	0.505
35.0	0.379
40.0	0.283
45.0	0.242
50.0	0.222
55.0	0.207
60.0	0.202
65.0	0.227
70.0	0.232
75.0	0.245
80.0	0.263
85.0	0.263
90.0	0.263
95.0	0.263
100.0	0.263
105.0	0.258
110.0	0.252
115.0	0.245
120.0	0.232
125.0	0.227
130.0	0.222
135.0	0.222
140.0	0.222
145.0	0.227
150.0	0.232
155.0	0.237
160.0	0.252
165.0	0.252
170.0	0.252
175.0	0.252
180.0	0.252
185.0	0.252
190.0	0.252
195.0	0.252
200.0	0.252
205.0	0.237
210.0	0.232
215.0	0.227
220.0	0.222
225.0	0.222
230.0	0.222
235.0	0.227
240.0	0.232
245.0	0.245
250.0	0.252
255.0	0.258
260.0	0.263
265.0	0.263
270.0	0.263
275.0	0.263
280.0	0.263
285.0	0.245
290.0	0.232
295.0	0.227
300.0	0.202
305.0	0.207
310.0	0.222
315.0	0.242

320.0	0.283
325.0	0.379
330.0	0.505
335.0	0.646
340.0	0.808
345.0	0.889
350.0	0.960
355.0	0.985



UHF D Pattern (40°) Coverage

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.00	60	0.20	120	0.23	180	0.25	240	0.23	300	0.20
10	0.95	70	0.23	130	0.22	190	0.25	250	0.25	310	0.22
20	0.80	80	0.26	140	0.22	200	0.25	260	0.26	320	0.28
30	0.50	90	0.26	150	0.23	210	0.23	270	0.26	330	0.50
40	0.28	100	0.26	160	0.25	220	0.22	280	0.26	340	0.80
50	0.22	110	0.25	170	0.25	230	0.22	290	0.23	350	0.95



Pattern: D
Horizontal Gain: 5.9(7.7 dB)
FCC Data Format

Rev. 001
Date: 6/20/01

COPYRIGHT © 2001 by Radio Frequency Systems, RFS Broadcast



Tel.: (203) 239-3311
 Fax: (203) 239-9260

RFS Broadcast
 59 Dodge Ave.
 North Haven, CT. 06473(USA)

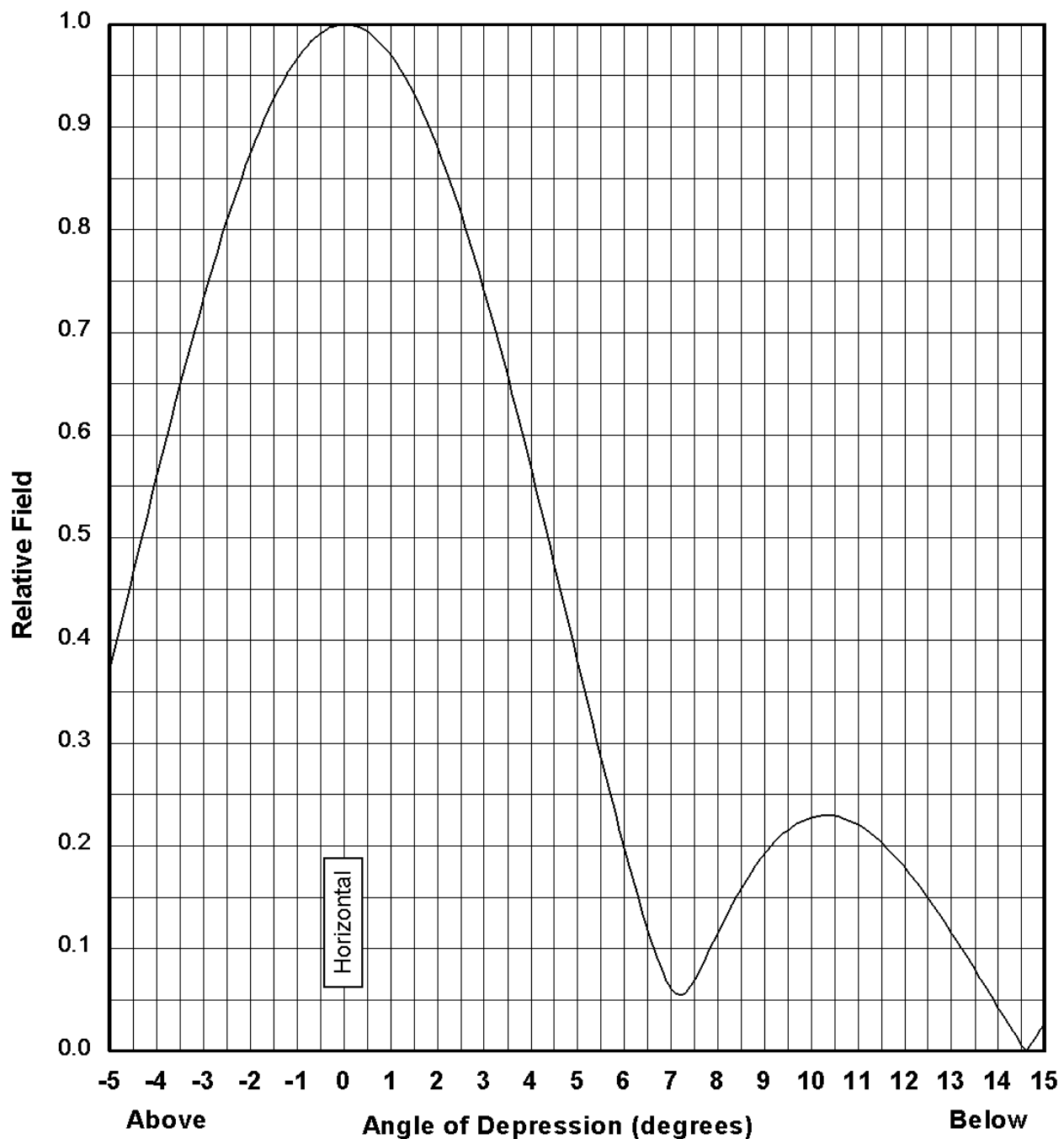
Elevation Pattern
Model: RD8

RADIO FREQUENCY SYSTEMS



Beam Tilt: 0.0 degrees
Null Fill: 5%

Directivity: 9.73 (9.88 dBd)
Polarization: Horizontal



Elevation Pattern Tabulated Data

Model: RD8

RADIO FREQUENCY SYSTEMS



Beam Tilt: 0.0 degrees
Null Fill: 5%

Directivity: 9.73 (9.88 dBd)
Polarization: Horizontal

Angle	Relative Field	dB	Angle	Relative Field	dB	Angle	Relative Field	dB	Angle	Relative Field	dB
-5.0	0.37	-8.56	7.2	0.05	-25.24	33.5	0.09	-21.03	64.0	0.02	-32.92
-4.8	0.41	-7.73	7.4	0.06	-24.15	34.0	0.09	-21.24	64.5	0.03	-31.67
-4.6	0.45	-6.96	7.6	0.08	-22.21	34.5	0.08	-21.72	65.0	0.03	-30.66
-4.4	0.49	-6.26	7.8	0.10	-20.35	35.0	0.08	-22.48	65.5	0.03	-29.90
-4.2	0.52	-5.62	8.0	0.11	-18.79	35.5	0.07	-23.52	66.0	0.03	-29.34
-4.0	0.56	-5.03	8.2	0.13	-17.51	36.0	0.06	-24.91	66.5	0.04	-28.97
-3.8	0.60	-4.48	8.4	0.15	-16.46	36.5	0.05	-26.73	67.0	0.04	-28.75
-3.6	0.63	-3.98	8.6	0.17	-15.60	37.0	0.04	-29.09	67.5	0.04	-28.73
-3.4	0.67	-3.51	8.8	0.18	-14.89	37.5	0.02	-32.25	68.0	0.04	-28.87
-3.2	0.70	-3.08	9.0	0.19	-14.32	38.0	0.01	-36.54	68.5	0.03	-29.22
-3.0	0.73	-2.69	9.2	0.20	-13.85	38.5	0.01	-40.82	69.0	0.03	-29.79
-2.8	0.77	-2.32	9.4	0.21	-13.48	39.0	0.01	-39.25	69.5	0.03	-30.57
-2.6	0.80	-1.99	9.6	0.22	-13.20	39.5	0.02	-35.92	70.0	0.03	-31.70
-2.4	0.82	-1.69	9.8	0.22	-12.99	40.0	0.02	-33.81	70.5	0.02	-33.19
-2.2	0.85	-1.41	10.0	0.23	-12.86	40.5	0.02	-32.65	71.0	0.02	-35.29
-2.0	0.87	-1.16	10.5	0.23	-12.81	41.0	0.02	-32.32	71.5	0.01	-38.34
-1.8	0.90	-0.94	11.0	0.22	-13.13	41.5	0.02	-32.69	72.0	0.01	-43.61
-1.6	0.92	-0.74	11.5	0.20	-13.83	42.0	0.02	-33.89	72.5	0.00	-60.92
-1.4	0.94	-0.57	12.0	0.18	-14.93	42.5	0.02	-36.19	73.0	0.01	-45.85
-1.2	0.95	-0.42	12.5	0.15	-16.51	43.0	0.01	-40.82	73.5	0.01	-39.09
-1.0	0.97	-0.29	13.0	0.12	-18.75	43.5	0.00	-57.08	74.0	0.02	-35.39
-0.8	0.98	-0.19	13.5	0.08	-22.01	44.0	0.01	-42.62	74.5	0.02	-32.84
-0.6	0.99	-0.11	14.0	0.04	-27.43	44.5	0.02	-35.39	75.0	0.03	-30.90
-0.4	0.99	-0.05	14.5	0.00	-43.60	45.0	0.03	-31.37	75.5	0.03	-29.42
-0.2	1.00	0.00	15.0	0.03	-31.37	45.5	0.04	-28.61	76.0	0.04	-28.25
0.0	1.00	0.00	15.5	0.06	-24.88	46.0	0.05	-26.58	76.5	0.04	-27.31
0.2	1.00	0.00	16.0	0.08	-21.68	46.5	0.06	-24.99	77.0	0.05	-26.56
0.4	1.00	0.00	16.5	0.10	-19.79	47.0	0.06	-23.77	77.5	0.05	-25.97
0.6	0.99	-0.09	17.0	0.12	-18.65	47.5	0.07	-22.82	78.0	0.05	-25.51
0.8	0.98	-0.17	17.5	0.13	-18.06	48.0	0.08	-22.09	78.5	0.06	-25.19
1.0	0.97	-0.26	18.0	0.13	-17.90	48.5	0.08	-21.58	79.0	0.06	-24.97
1.2	0.96	-0.39	18.5	0.12	-18.14	49.0	0.09	-21.24	79.5	0.06	-24.88
1.4	0.94	-0.53	19.0	0.12	-18.76	49.5	0.09	-21.06	80.0	0.06	-24.90
1.6	0.92	-0.70	19.5	0.10	-19.79	50.0	0.09	-21.03	80.5	0.06	-25.01
1.8	0.90	-0.89	20.0	0.09	-21.32	50.5	0.09	-21.16	81.0	0.05	-25.24
2.0	0.88	-1.11	20.5	0.07	-23.50	51.0	0.08	-21.43	81.5	0.05	-25.58
2.2	0.86	-1.35	21.0	0.05	-26.63	51.5	0.08	-21.85	82.0	0.05	-26.04
2.4	0.83	-1.62	21.5	0.03	-31.21	52.0	0.08	-22.42	82.5	0.05	-26.61
2.6	0.80	-1.92	22.0	0.02	-35.04	52.5	0.07	-23.15	83.0	0.04	-27.35
2.8	0.77	-2.24	22.5	0.03	-31.18	53.0	0.06	-24.03	83.5	0.04	-28.27
3.0	0.74	-2.60	23.0	0.04	-27.25	53.5	0.06	-25.10	84.0	0.03	-29.40
3.2	0.71	-2.99	23.5	0.06	-24.73	54.0	0.05	-26.38	84.5	0.03	-30.78
3.4	0.67	-3.42	24.0	0.07	-23.11	54.5	0.04	-27.87	85.0	0.02	-32.54
3.6	0.64	-3.88	24.5	0.08	-22.12	55.0	0.03	-29.66	85.5	0.02	-34.89
3.8	0.60	-4.37	25.0	0.08	-21.64	55.5	0.03	-31.77	86.0	0.01	-38.20
4.0	0.57	-4.91	25.5	0.08	-21.58	56.0	0.02	-34.38	86.5	0.01	-43.61
4.2	0.53	-5.50	26.0	0.08	-21.92	56.5	0.01	-37.59	87.0	0.00	-61.94
4.4	0.49	-6.14	26.5	0.07	-22.69	57.0	0.01	-41.94	87.5	0.00	-46.20
4.6	0.46	-6.83	27.0	0.06	-23.96	57.5	0.00	-48.40	88.0	0.01	-39.58
4.8	0.42	-7.58	27.5	0.05	-25.88	58.0	0.00	-67.96	88.5	0.02	-35.97
5.0	0.38	-8.41	28.0	0.04	-28.85	58.5	0.00	-54.42	89.0	0.02	-33.51
5.2	0.34	-9.31	28.5	0.02	-34.02	59.0	0.00	-49.37	89.5	0.03	-31.73
5.4	0.31	-10.31	29.0	0.00	-50.17	59.5	0.00	-48.18	90.0	0.03	-30.34
5.6	0.27	-11.42	29.5	0.01	-37.14	60.0	0.00	-48.40			
5.8	0.23	-12.66	30.0	0.03	-30.40	60.5	0.00	-49.12			
6.0	0.20	-14.06	30.5	0.05	-26.86	61.0	0.00	-48.40			
6.2	0.16	-15.66	31.0	0.06	-24.60	61.5	0.01	-45.04			
6.4	0.13	-17.51	31.5	0.07	-23.09	62.0	0.01	-41.62			
6.6	0.10	-19.65	32.0	0.08	-22.06	62.5	0.01	-38.71			
6.8	0.08	-22.05	32.5	0.09	-21.41	63.0	0.02	-36.36			
7.0	0.06	-24.31	33.0	0.09	-21.08	63.5	0.02	-34.42			

KTVH-DT Proposed Vertical Radiation Pattern

Angle	Relative Field	ERP dBk.
-5.00	0.370	4.69
-4.40	0.490	7.13
-4.00	0.560	8.29
-3.60	0.630	9.31
-3.00	0.730	10.59
-2.80	0.770	11.05
-2.60	0.800	11.39
-2.40	0.820	11.60
-2.20	0.850	11.91
-2.00	0.870	12.11
-1.80	0.900	12.41
-1.60	0.920	12.60
-1.40	0.940	12.79
-1.20	0.950	12.88
-1.00	0.970	13.06
-0.80	0.980	13.15
-0.60	0.990	13.24
-0.40	0.990	13.24
-0.20	1.000	13.32
0.00	1.000	13.32
0.20	1.000	13.32
0.40	1.000	13.32
0.60	0.990	13.24
0.80	0.980	13.15
1.00	0.970	13.06
1.20	0.960	12.97
1.40	0.940	12.79
1.60	0.920	12.60
1.80	0.900	12.41
2.00	0.880	12.21
2.40	0.840	11.81
2.60	0.800	11.39
2.80	0.770	11.05
3.00	0.740	10.71
3.20	0.710	10.35
3.40	0.670	9.85
3.60	0.640	9.45
3.80	0.600	8.89
4.00	0.570	8.44
4.20	0.530	7.81
4.40	0.490	7.13
4.60	0.460	6.58
4.80	0.420	5.79
5.00	0.380	4.92
5.40	0.310	3.15
5.80	0.230	0.56
6.00	0.200	-0.66
6.20	0.160	-2.59
6.80	0.080	-8.61
7.00	0.060	-11.11
7.20	0.050	-12.70
7.80	0.100	-6.68
8.00	0.110	-5.85
8.20	0.130	-4.40
8.80	0.180	-1.57
9.00	0.190	-1.10
9.20	0.200	-0.66
9.40	0.210	-0.23
9.60	0.220	0.17
9.80	0.220	0.17
10.00	0.230	0.56

Note: Same for all values of azimuth.

