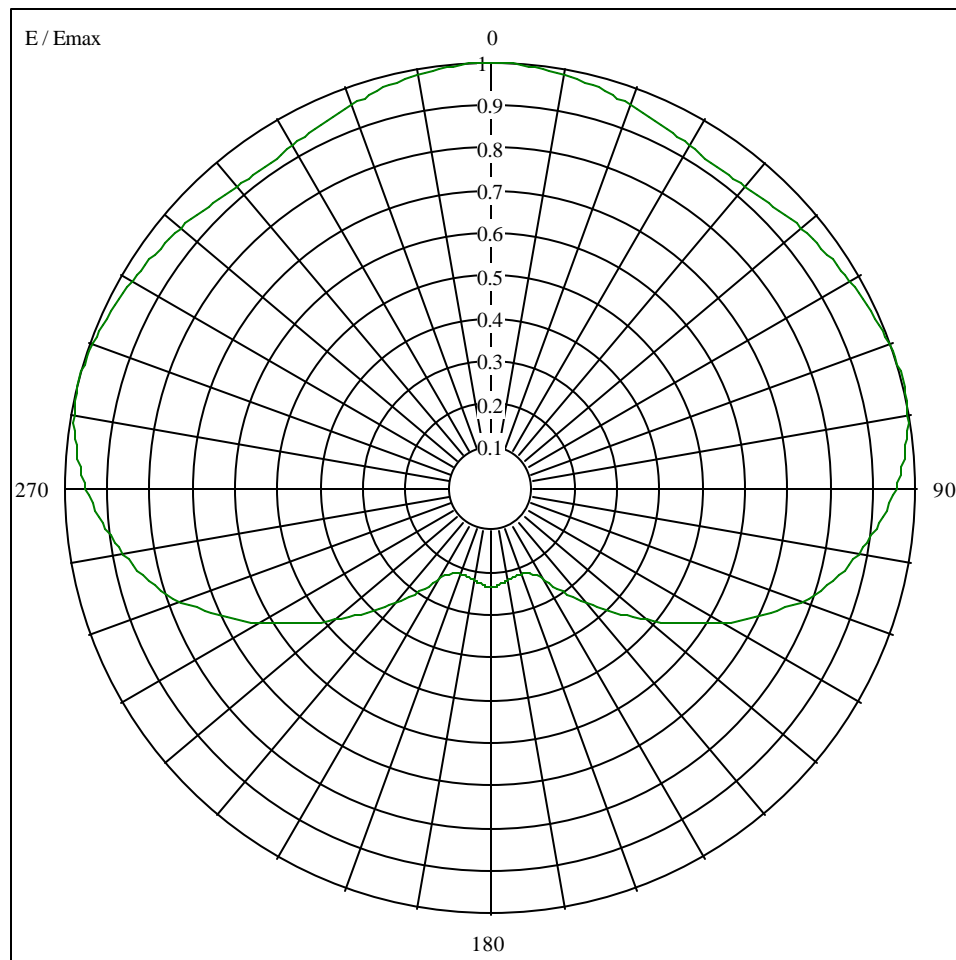




RFS AMERICAS BROADCAST DIVISION

UHF A Pattern (220°) Coverage

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.00	60	0.97	120	0.63	180	0.23	240	0.63	300	0.97
10	0.98	70	1.00	130	0.47	190	0.22	250	0.77	310	0.95
20	0.96	80	1.00	140	0.36	200	0.21	260	0.87	320	0.92
30	0.93	90	0.95	150	0.23	210	0.23	270	0.95	330	0.93
40	0.92	100	0.87	160	0.21	220	0.36	280	1.00	340	0.96
50	0.95	110	0.77	170	0.22	230	0.47	290	1.00	350	0.98



Pattern: A
Horizontal Gain: 1.7(2.3 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: RD16

RADIO FREQUENCY SYSTEMS

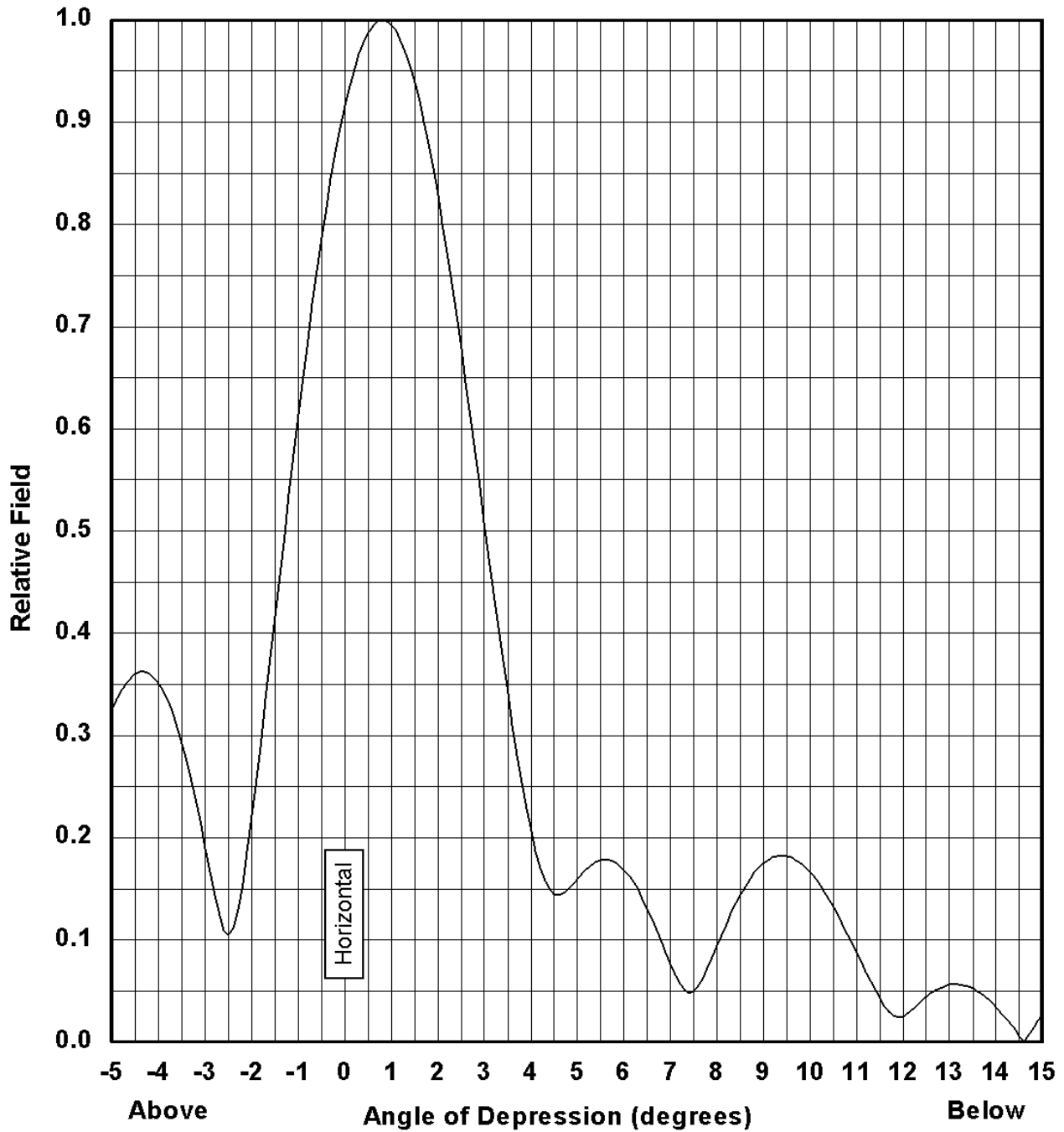


Beam Tilt: 0.75 degrees

Null Fill: 15%

Directivity: 17.95 (12.54 dBd)

Polarization: Horizontal



Elevation Pattern Tabulated Data

Model: RD16

RADIO FREQUENCY SYSTEMS



Beam Tilt: 0.75 degrees

Directivity: 17.95 (12.54 dBd)

Null Fill: 15%

Polarization: Horizontal

Angle	Relative Field	dB	Angle	Relative Field	dB	Angle	Relative Field	dB	Angle	Relative Field	dB
-5.0	0.33	-9.74	7.2	0.06	-24.85	33.5	0.06	-24.45	64.0	0.02	-33.68
-4.8	0.34	-9.26	7.4	0.05	-26.36	34.0	0.05	-26.69	64.5	0.02	-32.43
-4.6	0.36	-8.95	7.6	0.06	-25.18	34.5	0.03	-29.68	65.0	0.03	-31.57
-4.4	0.36	-8.82	7.8	0.07	-22.75	35.0	0.02	-32.62	65.5	0.03	-31.03
-4.2	0.36	-8.86	8.0	0.09	-20.51	35.5	0.02	-33.11	66.0	0.03	-30.81
-4.0	0.35	-9.09	8.2	0.12	-18.74	36.0	0.03	-31.77	66.5	0.03	-30.87
-3.8	0.33	-9.54	8.4	0.14	-17.39	36.5	0.03	-30.84	67.0	0.03	-31.18
-3.6	0.31	-10.23	8.6	0.15	-16.37	37.0	0.03	-30.96	67.5	0.03	-31.80
-3.4	0.27	-11.22	8.8	0.17	-15.64	37.5	0.02	-32.22	68.0	0.02	-32.69
-3.2	0.23	-12.59	9.0	0.17	-15.14	38.0	0.02	-34.89	68.5	0.02	-33.94
-3.0	0.19	-14.44	9.2	0.18	-14.86	38.5	0.01	-39.33	69.0	0.02	-35.49
-2.8	0.14	-16.83	9.4	0.18	-14.76	39.0	0.01	-42.05	69.5	0.01	-37.46
-2.6	0.11	-19.19	9.6	0.18	-14.85	39.5	0.01	-38.06	70.0	0.01	-39.91
-2.4	0.11	-19.04	9.8	0.18	-15.12	40.0	0.02	-34.89	70.5	0.01	-42.97
-2.2	0.16	-16.15	10.0	0.17	-15.57	40.5	0.02	-33.43	71.0	0.00	-46.94
-2.0	0.22	-13.09	10.5	0.13	-17.57	41.0	0.02	-33.19	71.5	0.00	-52.40
-1.8	0.30	-10.55	11.0	0.09	-21.14	41.5	0.02	-34.02	72.0	0.00	-60.00
-1.6	0.38	-8.49	11.5	0.04	-27.29	42.0	0.02	-35.97	72.5	0.00	-80.00
-1.4	0.46	-6.81	12.0	0.02	-32.11	42.5	0.01	-39.49	73.0	0.00	-63.10
-1.2	0.54	-5.41	12.5	0.04	-27.15	43.0	0.01	-45.85	73.5	0.00	-54.42
-1.0	0.61	-4.24	13.0	0.06	-25.02	43.5	0.00	-64.44	74.0	0.00	-48.64
-0.8	0.69	-3.26	13.5	0.05	-25.58	44.0	0.00	-53.56	74.5	0.01	-44.29
-0.6	0.76	-2.44	14.0	0.03	-29.24	44.5	0.00	-51.06	75.0	0.01	-40.92
-0.4	0.82	-1.76	14.5	0.01	-44.29	45.0	0.00	-48.40	75.5	0.01	-38.13
-0.2	0.87	-1.20	15.0	0.03	-31.40	45.5	0.01	-40.72	76.0	0.02	-35.86
0.0	0.92	-0.76	15.5	0.06	-24.67	46.0	0.02	-34.89	76.5	0.02	-33.98
0.2	0.95	-0.43	16.0	0.08	-21.62	46.5	0.03	-30.72	77.0	0.02	-32.47
0.4	0.98	-0.19	16.5	0.10	-20.27	47.0	0.04	-27.62	77.5	0.03	-31.18
0.6	0.99	-0.05	17.0	0.10	-20.14	47.5	0.05	-25.27	78.0	0.03	-30.14
0.8	1.00	0.00	17.5	0.09	-21.08	48.0	0.07	-23.54	78.5	0.03	-29.29
1.0	1.00	0.00	18.0	0.07	-23.12	48.5	0.08	-22.28	79.0	0.04	-28.61
1.2	0.98	-0.17	18.5	0.05	-26.25	49.0	0.08	-21.43	79.5	0.04	-28.11
1.4	0.96	-0.40	19.0	0.04	-29.09	49.5	0.09	-20.95	80.0	0.04	-27.77
1.6	0.92	-0.71	19.5	0.04	-28.47	50.0	0.09	-20.81	80.5	0.04	-27.58
1.8	0.88	-1.12	20.0	0.05	-26.69	50.5	0.09	-20.99	81.0	0.04	-27.51
2.0	0.83	-1.63	20.5	0.05	-26.00	51.0	0.08	-21.49	81.5	0.04	-27.62
2.2	0.77	-2.24	21.0	0.05	-26.82	51.5	0.08	-22.30	82.0	0.04	-27.85
2.4	0.71	-2.96	21.5	0.03	-29.50	52.0	0.07	-23.45	82.5	0.04	-28.25
2.6	0.65	-3.80	22.0	0.02	-34.52	52.5	0.06	-24.96	83.0	0.04	-28.80
2.8	0.58	-4.77	22.5	0.02	-34.07	53.0	0.05	-26.84	83.5	0.03	-29.58
3.0	0.51	-5.87	23.0	0.04	-28.66	53.5	0.03	-29.14	84.0	0.03	-30.57
3.2	0.44	-7.14	23.5	0.05	-25.51	54.0	0.03	-31.94	84.5	0.03	-31.84
3.4	0.37	-8.56	24.0	0.06	-23.97	54.5	0.02	-35.19	85.0	0.02	-33.51
3.6	0.31	-10.16	24.5	0.07	-23.60	55.0	0.01	-38.79	85.5	0.02	-35.76
3.8	0.25	-11.91	25.0	0.06	-24.26	55.5	0.01	-42.05	86.0	0.01	-38.94
4.0	0.21	-13.72	25.5	0.05	-25.99	56.0	0.01	-44.29	86.5	0.01	-44.44
4.2	0.17	-15.37	26.0	0.04	-29.07	56.5	0.01	-45.85	87.0	0.00	-63.10
4.4	0.15	-16.50	26.5	0.02	-34.15	57.0	0.00	-48.18	87.5	0.00	-46.74
4.6	0.14	-16.83	27.0	0.01	-41.31	57.5	0.00	-52.77	88.0	0.01	-40.18
4.8	0.15	-16.52	27.5	0.01	-39.66	58.0	0.00	-70.46	88.5	0.01	-36.54
5.0	0.16	-15.96	28.0	0.01	-37.39	58.5	0.00	-55.92	89.0	0.02	-34.07
5.2	0.17	-15.43	28.5	0.01	-39.25	59.0	0.00	-49.63	89.5	0.02	-32.25
5.4	0.18	-15.07	29.0	0.00	-53.56	59.5	0.00	-47.33	90.0	0.03	-30.87
5.6	0.18	-14.95	29.5	0.01	-38.79	60.0	0.00	-46.56			
5.8	0.18	-15.07	30.0	0.03	-31.03	60.5	0.00	-47.13			
6.0	0.17	-15.44	30.5	0.05	-26.92	61.0	0.00	-48.64			
6.2	0.16	-16.09	31.0	0.06	-24.39	61.5	0.00	-47.96			
6.4	0.14	-17.05	31.5	0.07	-22.93	62.0	0.01	-44.29			
6.6	0.12	-18.37	32.0	0.08	-22.25	62.5	0.01	-40.54			
6.8	0.10	-20.11	32.5	0.08	-22.29	63.0	0.01	-37.59			
7.0	0.08	-22.34	33.0	0.07	-23.01	63.5	0.02	-35.34			