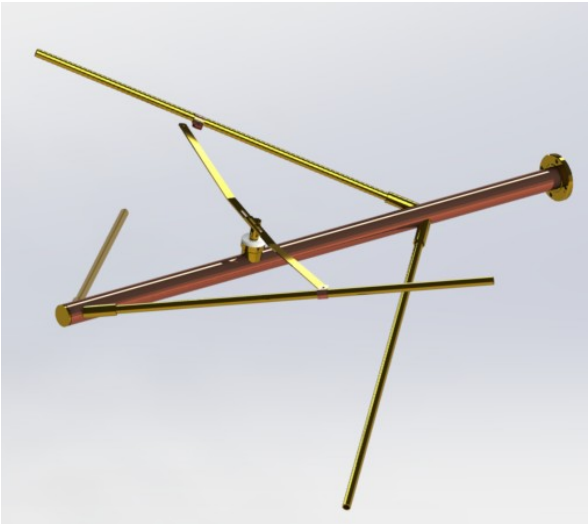
ANTENA FM V INVERTIDO CIRCULAR



Especificações:

Potência Max por elemento ..... 7 Kw em 1-5/8"
Ganho ..... 3,2 dBd
Faixa de Frequência..... 76,1 a 108 MHz(a definir)
Polarização..... Circular direita
Circularidade..... < 3 dB (espaço livre)
Diagrama vertical..... Padão
Impedância de entrada..... 50 ohms
VSWR Max no canal.....1,1 : 1
Potência Max do conjunto ..... 25 Kw
Banda passante ..... 200 KHz
Conector de entrada..... 3 -1/8",
Quantidade de Níveis.....4

Padrões de alimentação

Os sistemas podem ser fornecidos alimentados com linhas rígidas ou com divisor e cabos
Sistemas com linhas rígidas construídos com alimentação central

Características Construtivas

Material Empregado:

Estrutura em latão , cobre e alumínio
Fixadores em aço inox e isoladores em PTFE
Estrutura de sustentação em aço galvanizado

Montagem:

Fornecida com suportes compatíveis com tubos de 3,5" a 12" em aço

Acabamento:

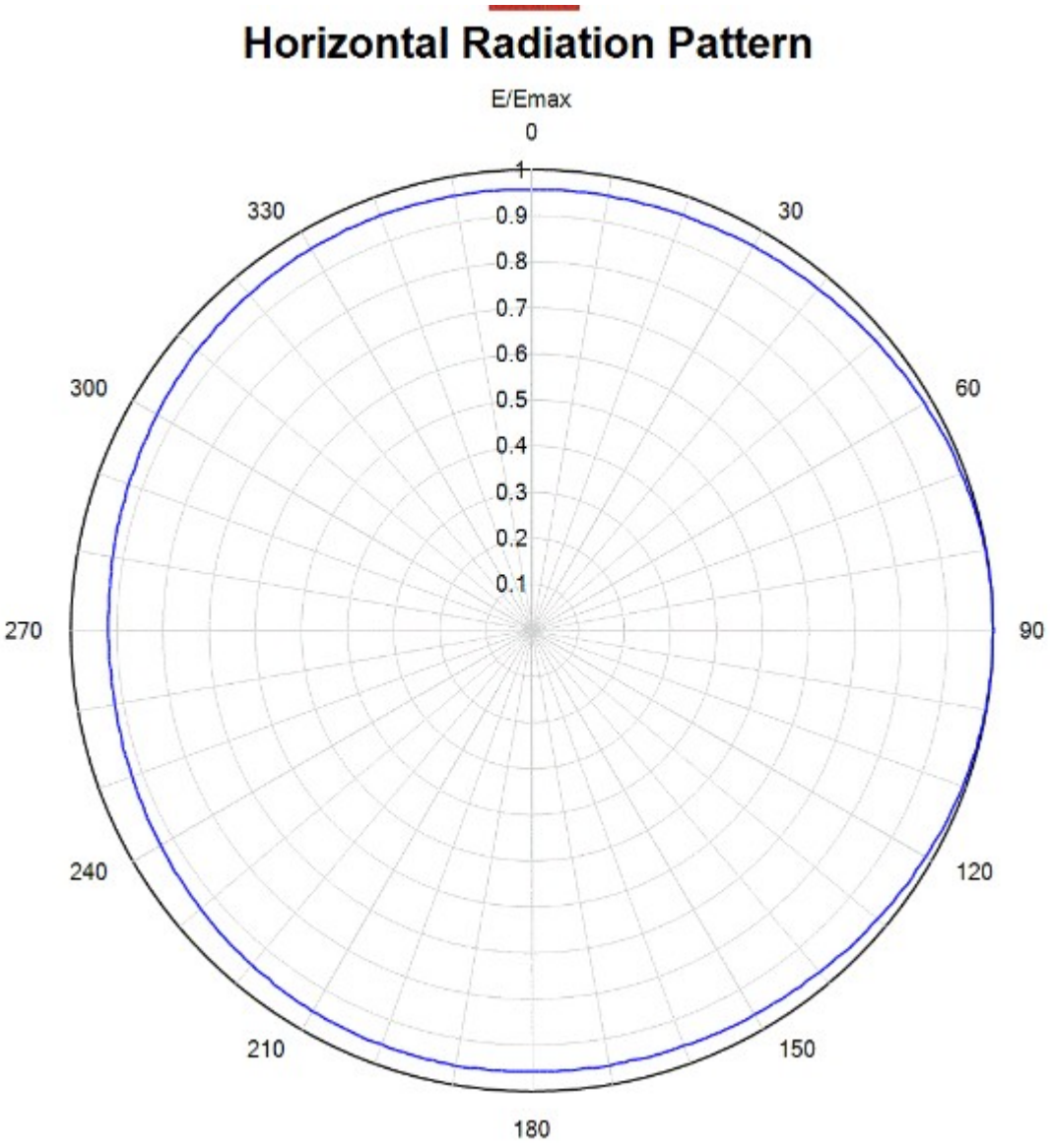
Pintura epoxi.

Embalagem:

Caixa de madeira

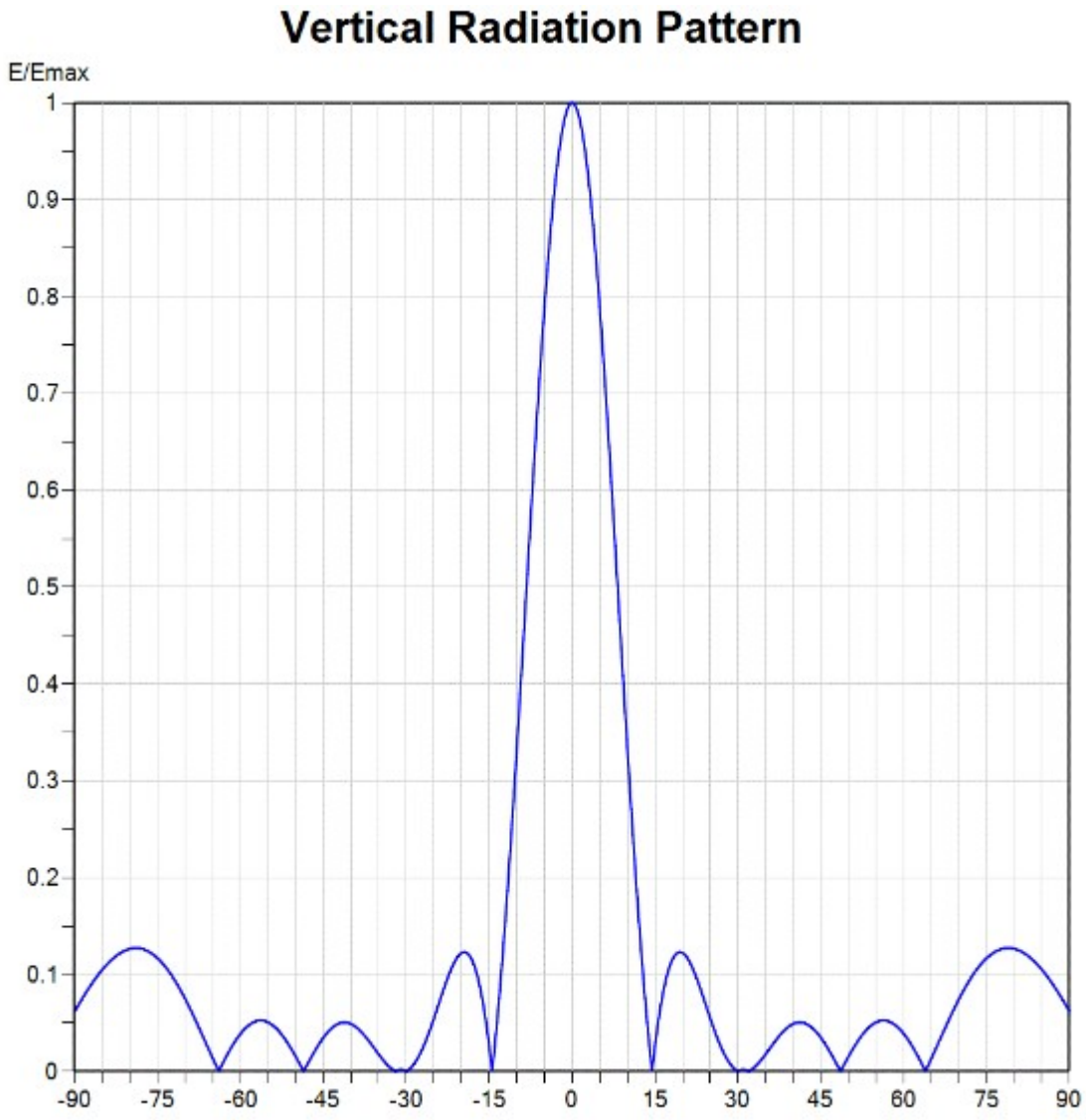
Modelo:
AFCDE - 4 – XXX –25

Rua Higino Guilherme Costato 298 - Jardim Pinheiros - Valinhos - SP CEP 13.274-410 Tel. +(55)19 4117-0270


Horizontal Radiation Pattern
E/Emax
0
30
60
90
120
150
180
210
240
270
300
330
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

Tabulated Horizontal Radiation Pattern

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.957	45	0.971	90	1.000	135	0.973	180	0.958	225	0.943	270	0.919	315	0.950
1	0.957	46	0.972	91	1.000	136	0.972	181	0.958	226	0.942	271	0.919	316	0.951
2	0.957	47	0.973	92	1.000	137	0.971	182	0.958	227	0.941	272	0.919	317	0.952
3	0.957	48	0.973	93	1.000	138	0.971	183	0.958	228	0.941	273	0.919	318	0.952
4	0.957	49	0.974	94	1.000	139	0.969	184	0.958	229	0.940	274	0.920	319	0.953
5	0.957	50	0.975	95	1.000	140	0.969	185	0.958	230	0.939	275	0.920	320	0.953
6	0.957	51	0.976	96	1.000	141	0.968	186	0.958	231	0.938	276	0.920	321	0.953
7	0.957	52	0.976	97	0.999	142	0.967	187	0.958	232	0.938	277	0.922	322	0.954
8	0.957	53	0.977	98	0.999	143	0.967	188	0.958	233	0.936	278	0.922	323	0.954
9	0.957	54	0.978	99	0.999	144	0.966	189	0.958	234	0.935	279	0.923	324	0.955
10	0.957	55	0.979	100	0.999	145	0.966	190	0.958	235	0.934	280	0.923	325	0.955
11	0.957	56	0.981	101	0.998	146	0.965	191	0.958	236	0.934	281	0.924	326	0.955
12	0.957	57	0.981	102	0.998	147	0.965	192	0.957	237	0.933	282	0.924	327	0.956
13	0.957	58	0.982	103	0.997	148	0.964	193	0.957	238	0.932	283	0.925	328	0.956
14	0.957	59	0.983	104	0.997	149	0.964	194	0.957	239	0.931	284	0.926	329	0.956
15	0.957	60	0.984	105	0.997	150	0.963	195	0.957	240	0.930	285	0.926	330	0.957
16	0.957	61	0.984	106	0.995	151	0.963	196	0.957	241	0.930	286	0.927	331	0.957
17	0.957	62	0.985	107	0.994	152	0.963	197	0.957	242	0.929	287	0.928	332	0.957
18	0.957	63	0.986	108	0.994	153	0.962	198	0.957	243	0.928	288	0.928	333	0.957
19	0.958	64	0.987	109	0.993	154	0.962	199	0.956	244	0.928	289	0.929	334	0.957
20	0.958	65	0.989	110	0.993	155	0.962	200	0.956	245	0.927	290	0.930	335	0.958
21	0.958	66	0.989	111	0.992	156	0.961	201	0.956	246	0.926	291	0.931	336	0.958
22	0.958	67	0.990	112	0.992	157	0.961	202	0.956	247	0.926	292	0.931	337	0.958
23	0.958	68	0.991	113	0.991	158	0.961	203	0.955	248	0.925	293	0.932	338	0.958
24	0.959	69	0.991	114	0.990	159	0.961	204	0.955	249	0.924	294	0.933	339	0.958
25	0.959	70	0.992	115	0.989	160	0.959	205	0.955	250	0.924	295	0.934	340	0.958
26	0.959	71	0.993	116	0.989	161	0.959	206	0.954	251	0.923	296	0.935	341	0.958
27	0.961	72	0.993	117	0.987	162	0.959	207	0.954	252	0.923	297	0.935	342	0.958
28	0.961	73	0.994	118	0.986	163	0.959	208	0.954	253	0.922	298	0.936	343	0.958
29	0.961	74	0.994	119	0.986	164	0.959	209	0.953	254	0.922	299	0.938	344	0.958
30	0.962	75	0.995	120	0.985	165	0.959	210	0.953	255	0.920	300	0.939	345	0.958
31	0.962	76	0.995	121	0.984	166	0.959	211	0.952	256	0.920	301	0.940	346	0.958
32	0.963	77	0.997	122	0.983	167	0.958	212	0.952	257	0.920	302	0.940	347	0.958
33	0.963	78	0.997	123	0.983	168	0.958	213	0.951	258	0.919	303	0.941	348	0.958
34	0.963	79	0.998	124	0.982	169	0.958	214	0.951	259	0.919	304	0.942	349	0.958
35	0.964	80	0.998	125	0.981	170	0.958	215	0.950	260	0.919	305	0.943	350	0.958
36	0.964	81	0.999	126	0.979	171	0.958	216	0.950	261	0.919	306	0.943	351	0.958
37	0.965	82	0.999	127	0.979	172	0.958	217	0.948	262	0.919	307	0.944	352	0.958
38	0.966	83	0.999	128	0.978	173	0.958	218	0.948	263	0.918	308	0.945	353	0.958
39	0.966	84	0.999	129	0.977	174	0.958	219	0.947	264	0.918	309	0.946	354	0.958
40	0.967	85	1.000	130	0.976	175	0.958	220	0.946	265	0.918	310	0.946	355	0.958
41	0.967	86	1.000	131	0.976	176	0.958	221	0.946	266	0.918	311	0.947	356	0.957
42	0.968	87	1.000	132	0.975	177	0.958	222	0.945	267	0.918	312	0.948	357	0.957
43	0.969	88	1.000	133	0.974	178	0.958	223	0.944	268	0.918	313	0.948	358	0.957
44	0.969	89	1.000	134	0.973	179	0.958	224	0.944	269	0.919	314	0.950	359	0.957


Vertical Radiation Pattern
E/Emax
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-90
-75
-60
-45
-30
-15
0
15
30
45
60
75
90

Tabulated Vertical Radiation Pattern

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.334	2.4	0.948	10.6	0.280	30.5	0.001	51.0	0.025	71.5	0.090
-9.5	0.380	2.6	0.940	10.8	0.262	31.0	0.001	51.5	0.029	72.0	0.095
-9.0	0.428	2.8	0.930	11.0	0.245	31.5	0.001	52.0	0.034	72.5	0.099
-8.5	0.475	3.0	0.920	11.5	0.203	32.0	0.000	52.5	0.037	73.0	0.103
-8.0	0.523	3.2	0.910	12.0	0.163	32.5	0.002	53.0	0.041	73.5	0.107
-7.5	0.570	3.4	0.898	12.5	0.125	33.0	0.004	53.5	0.044	74.0	0.111
-7.0	0.617	3.6	0.887	13.0	0.089	33.5	0.007	54.0	0.047	74.5	0.114
-6.5	0.663	3.8	0.874	13.5	0.056	34.0	0.010	54.5	0.049	75.0	0.117
-6.0	0.707	4.0	0.861	14.0	0.026	34.5	0.014	55.0	0.051	75.5	0.119
-5.5	0.749	4.2	0.848	14.5	0.001	35.0	0.017	55.5	0.052	76.0	0.121
-5.0	0.789	4.4	0.834	15.0	0.026	35.5	0.021	56.0	0.052	76.5	0.123
-4.5	0.827	4.6	0.819	15.5	0.047	36.0	0.025	56.5	0.052	77.0	0.125
-4.0	0.861	4.8	0.805	16.0	0.066	36.5	0.029	57.0	0.052	77.5	0.126
-3.5	0.893	5.0	0.789	16.5	0.082	37.0	0.033	57.5	0.051	78.0	0.127
-3.0	0.920	5.2	0.774	17.0	0.095	37.5	0.036	58.0	0.050	78.5	0.127
-2.8	0.930	5.4	0.757	17.5	0.106	38.0	0.040	58.5	0.048	79.0	0.127
-2.6	0.940	5.6	0.741	18.0	0.113	38.5	0.043	59.0	0.045	79.5	0.127
-2.4	0.948	5.8	0.724	18.5	0.119	39.0	0.045	59.5	0.042	80.0	0.126
-2.2	0.957	6.0	0.707	19.0	0.122	39.5	0.047	60.0	0.039	80.5	0.126
-2.0	0.964	6.2	0.690	19.5	0.123	40.0	0.049	60.5	0.035	81.0	0.124
-1.8	0.971	6.4	0.672	20.0	0.122	40.5	0.050	61.0	0.031	81.5	0.123
-1.6	0.977	6.6	0.654	20.5	0.120	41.0	0.050	61.5	0.026	82.0	0.121
-1.4	0.982	6.8	0.636	21.0	0.116	41.5	0.050	62.0	0.022	82.5	0.119
-1.2	0.987	7.0	0.617	21.5	0.110	42.0	0.050	62.5	0.016	83.0	0.117
-1.0	0.991	7.2	0.599	22.0	0.104	42.5	0.049	63.0	0.011	83.5	0.114
-0.8	0.994	7.4	0.580	22.5	0.097	43.0	0.047	63.5	0.005	84.0	0.112
-0.6	0.997	7.6	0.561	23.0	0.089	43.5	0.045	64.0	0.001	84.5	0.108
-0.4	0.999	7.8	0.542	23.5	0.081	44.0	0.042	64.5	0.007	85.0	0.105
-0.2	1.000	8.0	0.523	24.0	0.072	44.5	0.039	65.0	0.013	85.5	0.102
0.0	1.000	8.2	0.504	24.5	0.063	45.0	0.035	65.5	0.019	86.0	0.098
0.2	1.000	8.4	0.485	25.0	0.055	45.5	0.031	66.0	0.026	86.5	0.094
0.4	0.999	8.6	0.466	25.5	0.047	46.0	0.026	66.5	0.032	87.0	0.090
0.6	0.997	8.8	0.447	26.0	0.039	46.5	0.022	67.0	0.038	87.5	0.086
0.8	0.994	9.0	0.428	26.5	0.031	47.0	0.017	67.5	0.045	88.0	0.081
1.0	0.991	9.2	0.409	27.0	0.024	47.5	0.012	68.0	0.051	88.5	0.077
1.2	0.987	9.4	0.390	27.5	0.018	48.0	0.006	68.5	0.057	89.0	0.072
1.4	0.982	9.6	0.371	28.0	0.013	48.5	0.001	69.0	0.063	89.5	0.067
1.6	0.977	9.8	0.353	28.5	0.008	49.0	0.004	69.5	0.069	90.0	0.062
1.8	0.971	10.0	0.334	29.0	0.005	49.5	0.010	70.0	0.074		
2.0	0.964	10.2	0.316	29.5	0.002	50.0	0.015	70.5	0.080		
2.2	0.957	10.4	0.298	30.0	0.000	50.5	0.020	71.0	0.085		