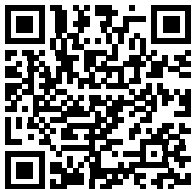


Descrição não informada.



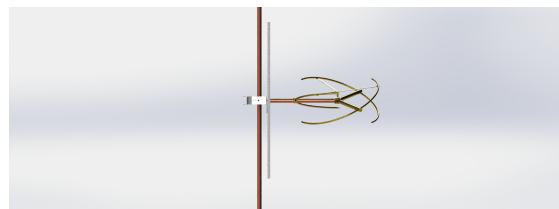
Características elétricas

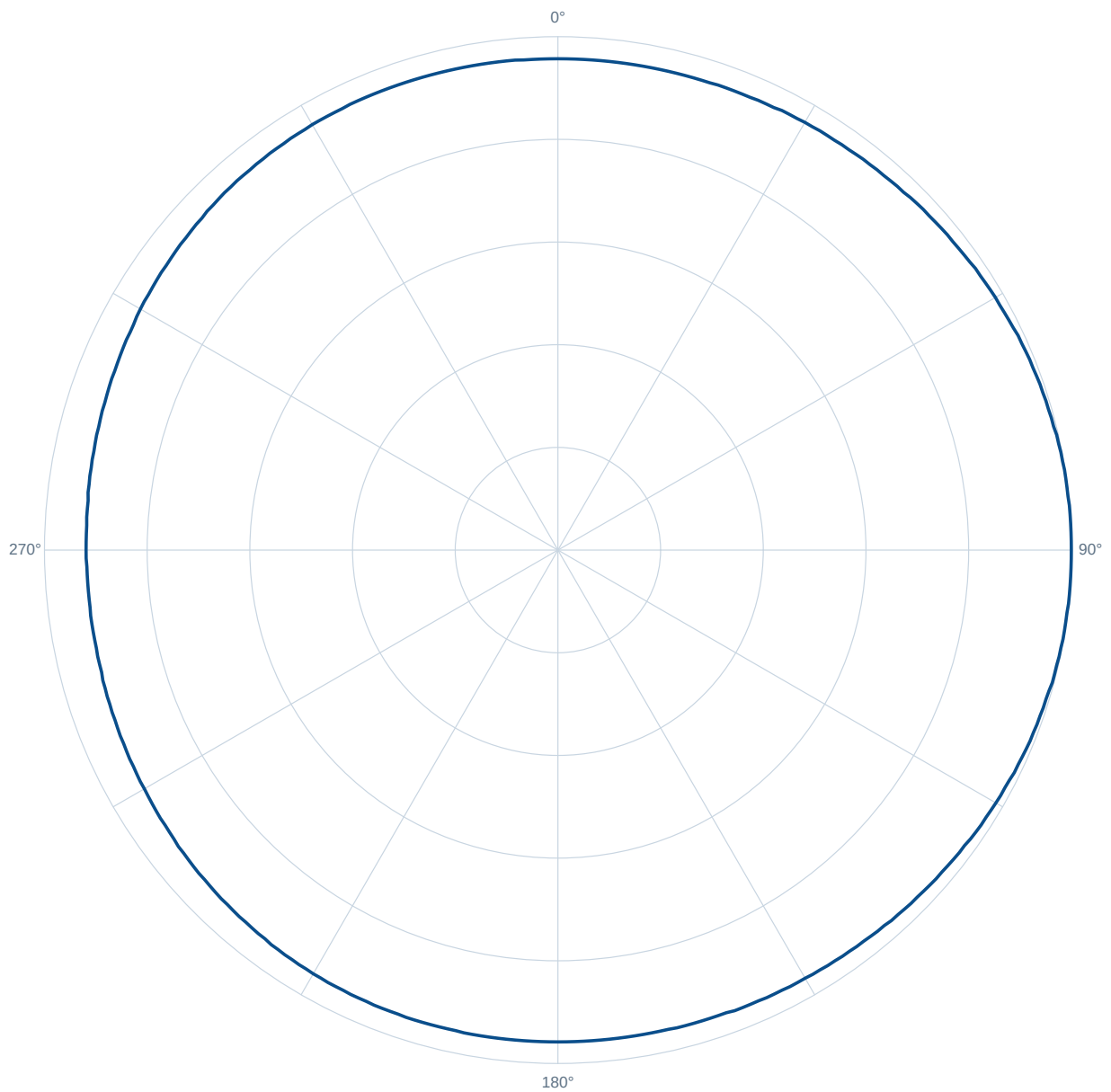
Item	Valor
Ganho cadastrado (referência)	0.00 dBd
HPBW horizontal	359.00°
HPBW vertical	47.51°
Faixa de frequência	76.10 – 107.90 MHz
Polarização	Circular direita
Fabricante	EFTX Broadcast & Telecom
Categoria	FM



Validar autenticidade · 1.0

Página 1 · Código E3B3D92A





Parâmetros da configuração

HPBW HORIZONTAL

359.00°

GANHO

0.00 dBd

FRENTE/COSTAS

0.59 dB

RIPPLE

0.74 dB

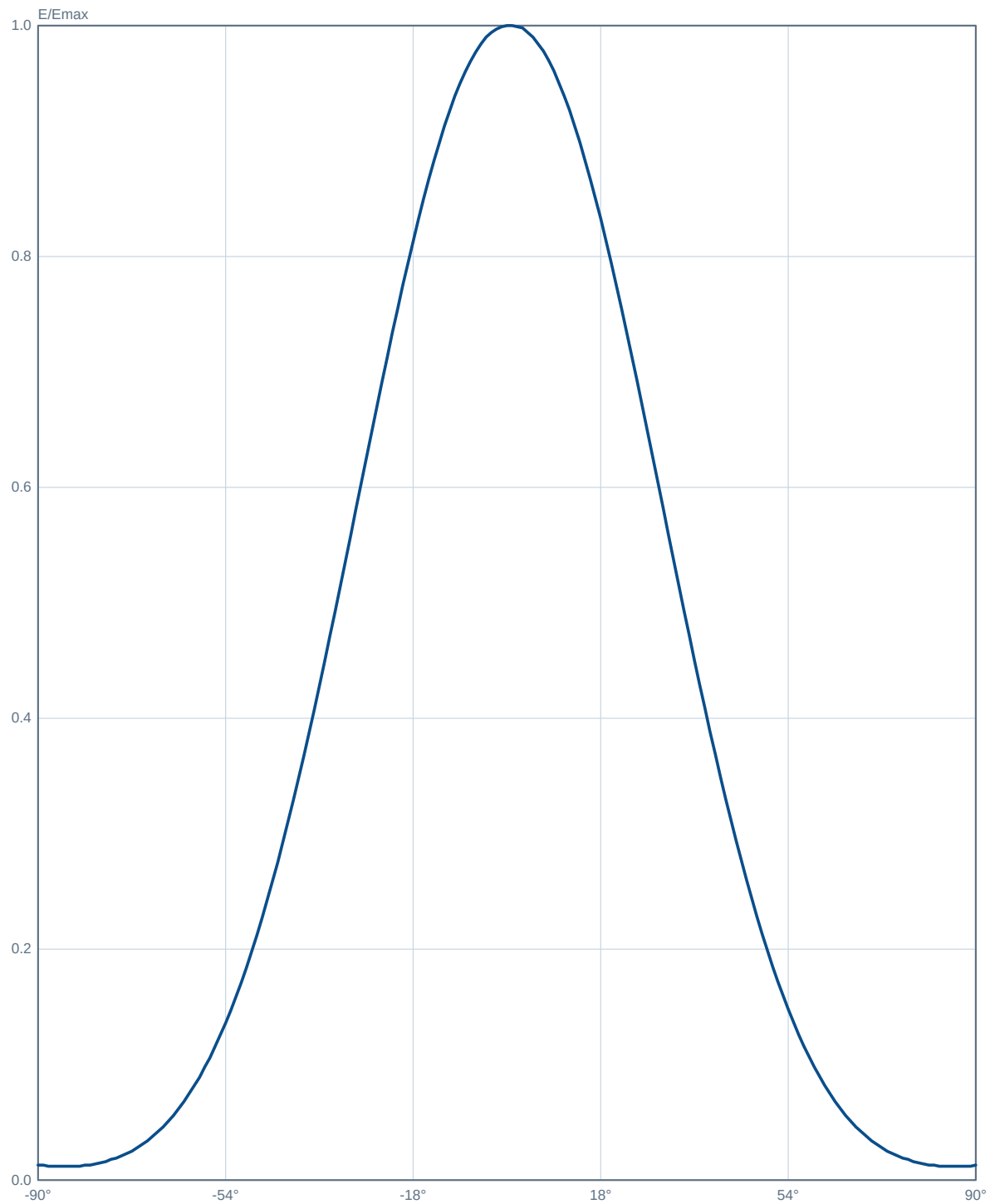
Tabela completa - Azimute



AFCAN - Diagrama de azimute

Ângulo	E/E _{max}	Aten. dB	Ângulo	E/E _{max}	Aten. dB	Ângulo	E/E _{max}	Aten. dB	Ângulo	E/E _{max}	Aten. dB	Ângulo	E/E _{max}	Aten. dB
0°	0.9570	0.38	73°	0.9940	0.05	146°	0.9650	0.31	219°	0.9470	0.47	292°	0.9310	0.62
1°	0.9570	0.38	74°	0.9940	0.05	147°	0.9650	0.31	220°	0.9460	0.48	293°	0.9320	0.61
2°	0.9570	0.38	75°	0.9950	0.04	148°	0.9640	0.32	221°	0.9460	0.48	294°	0.9330	0.60
3°	0.9570	0.38	76°	0.9950	0.04	149°	0.9640	0.32	222°	0.9450	0.49	295°	0.9340	0.59
4°	0.9570	0.38	77°	0.9970	0.03	150°	0.9630	0.33	223°	0.9440	0.50	296°	0.9350	0.58
5°	0.9570	0.38	78°	0.9970	0.03	151°	0.9630	0.33	224°	0.9440	0.50	297°	0.9350	0.58
6°	0.9570	0.38	79°	0.9980	0.02	152°	0.9630	0.33	225°	0.9430	0.51	298°	0.9360	0.57
7°	0.9570	0.38	80°	0.9980	0.02	153°	0.9620	0.34	226°	0.9420	0.52	299°	0.9380	0.56
8°	0.9570	0.38	81°	0.9990	0.01	154°	0.9620	0.34	227°	0.9410	0.53	300°	0.9390	0.55
9°	0.9570	0.38	82°	0.9990	0.01	155°	0.9620	0.34	228°	0.9410	0.53	301°	0.9400	0.54
10°	0.9570	0.38	83°	0.9990	0.01	156°	0.9610	0.35	229°	0.9400	0.54	302°	0.9400	0.54
11°	0.9570	0.38	84°	0.9990	0.01	157°	0.9610	0.35	230°	0.9390	0.55	303°	0.9410	0.53
12°	0.9570	0.38	85°	1.0000	-0.00	158°	0.9610	0.35	231°	0.9380	0.56	304°	0.9420	0.52
13°	0.9570	0.38	86°	1.0000	-0.00	159°	0.9610	0.35	232°	0.9380	0.56	305°	0.9430	0.51
14°	0.9570	0.38	87°	1.0000	-0.00	160°	0.9590	0.36	233°	0.9360	0.57	306°	0.9430	0.51
15°	0.9570	0.38	88°	1.0000	-0.00	161°	0.9590	0.36	234°	0.9350	0.58	307°	0.9440	0.50
16°	0.9570	0.38	89°	1.0000	-0.00	162°	0.9590	0.36	235°	0.9340	0.59	308°	0.9450	0.49
17°	0.9570	0.38	90°	1.0000	-0.00	163°	0.9590	0.36	236°	0.9340	0.59	309°	0.9460	0.48
18°	0.9570	0.38	91°	1.0000	-0.00	164°	0.9590	0.36	237°	0.9330	0.60	310°	0.9460	0.48
19°	0.9580	0.37	92°	1.0000	-0.00	165°	0.9590	0.36	238°	0.9320	0.61	311°	0.9470	0.47
20°	0.9580	0.37	93°	1.0000	-0.00	166°	0.9590	0.36	239°	0.9310	0.62	312°	0.9480	0.46
21°	0.9580	0.37	94°	1.0000	-0.00	167°	0.9580	0.37	240°	0.9300	0.63	313°	0.9480	0.46
22°	0.9580	0.37	95°	1.0000	-0.00	168°	0.9580	0.37	241°	0.9300	0.63	314°	0.9500	0.45
23°	0.9580	0.37	96°	1.0000	-0.00	169°	0.9580	0.37	242°	0.9290	0.64	315°	0.9500	0.45
24°	0.9590	0.36	97°	0.9990	0.01	170°	0.9580	0.37	243°	0.9280	0.65	316°	0.9510	0.44
25°	0.9590	0.36	98°	0.9990	0.01	171°	0.9580	0.37	244°	0.9280	0.65	317°	0.9520	0.43
26°	0.9590	0.36	99°	0.9990	0.01	172°	0.9580	0.37	245°	0.9270	0.66	318°	0.9520	0.43
27°	0.9610	0.35	100°	0.9990	0.01	173°	0.9580	0.37	246°	0.9260	0.67	319°	0.9530	0.42
28°	0.9610	0.35	101°	0.9980	0.02	174°	0.9580	0.37	247°	0.9260	0.67	320°	0.9530	0.42
29°	0.9610	0.35	102°	0.9980	0.02	175°	0.9580	0.37	248°	0.9250	0.68	321°	0.9530	0.42
30°	0.9620	0.34	103°	0.9970	0.03	176°	0.9580	0.37	249°	0.9240	0.69	322°	0.9540	0.41
31°	0.9620	0.34	104°	0.9970	0.03	177°	0.9580	0.37	250°	0.9240	0.69	323°	0.9540	0.41
32°	0.9630	0.33	105°	0.9970	0.03	178°	0.9580	0.37	251°	0.9230	0.70	324°	0.9550	0.40
33°	0.9630	0.33	106°	0.9950	0.04	179°	0.9580	0.37	252°	0.9230	0.70	325°	0.9550	0.40
34°	0.9630	0.33	107°	0.9940	0.05	180°	0.9580	0.37	253°	0.9220	0.71	326°	0.9550	0.40
35°	0.9640	0.32	108°	0.9940	0.05	181°	0.9580	0.37	254°	0.9220	0.71	327°	0.9560	0.39
36°	0.9640	0.32	109°	0.9930	0.06	182°	0.9580	0.37	255°	0.9200	0.72	328°	0.9560	0.39
37°	0.9650	0.31	110°	0.9930	0.06	183°	0.9580	0.37	256°	0.9200	0.72	329°	0.9560	0.39
38°	0.9660	0.30	111°	0.9920	0.07	184°	0.9580	0.37	257°	0.9200	0.72	330°	0.9570	0.38
39°	0.9660	0.30	112°	0.9920	0.07	185°	0.9580	0.37	258°	0.9190	0.73	331°	0.9570	0.38
40°	0.9670	0.29	113°	0.9910	0.08	186°	0.9580	0.37	259°	0.9190	0.73	332°	0.9570	0.38
41°	0.9670	0.29	114°	0.9900	0.09	187°	0.9580	0.37	260°	0.9190	0.73	333°	0.9570	0.38
42°	0.9680	0.28	115°	0.9890	0.10	188°	0.9580	0.37	261°	0.9190	0.73	334°	0.9570	0.38
43°	0.9690	0.27	116°	0.9890	0.10	189°	0.9580	0.37	262°	0.9190	0.73	335°	0.9580	0.37
44°	0.9690	0.27	117°	0.9870	0.11	190°	0.9580	0.37	263°	0.9180	0.74	336°	0.9580	0.37
45°	0.9710	0.26	118°	0.9860	0.12	191°	0.9580	0.37	264°	0.9180	0.74	337°	0.9580	0.37
46°	0.9720	0.25	119°	0.9860	0.12	192°	0.9570	0.38	265°	0.9180	0.74	338°	0.9580	0.37
47°	0.9730	0.24	120°	0.9850	0.13	193°	0.9570	0.38	266°	0.9180	0.74	339°	0.9580	0.37
48°	0.9730	0.24	121°	0.9840	0.14	194°	0.9570	0.38	267°	0.9180	0.74	340°	0.9580	0.37
49°	0.9740	0.23	122°	0.9830	0.15	195°	0.9570	0.38	268°	0.9180	0.74	341°	0.9580	0.37
50°	0.9750	0.22	123°	0.9830	0.15	196°	0.9570	0.38	269°	0.9190	0.73	342°	0.9580	0.37
51°	0.9760	0.21	124°	0.9820	0.16	197°	0.9570	0.38	270°	0.9190	0.73	343°	0.9580	0.37
52°	0.9760	0.21	125°	0.9810	0.17	198°	0.9570	0.38	271°	0.9190	0.73	344°	0.9580	0.37
53°	0.9770	0.20	126°	0.9790	0.18	199°	0.9560	0.39	272°	0.9190	0.73	345°	0.9580	0.37
54°	0.9780	0.19	127°	0.9790	0.18	200°	0.9560	0.39	273°	0.9190	0.73	346°	0.9580	0.37
55°	0.9790	0.18	128°	0.9780	0.19	201°	0.9560	0.39	274°	0.9200	0.72	347°	0.9580	0.37
56°	0.9810	0.17	129°	0.9770	0.20	202°	0.9560	0.39	275°	0.9200	0.72	348°	0.9580	0.37
57°	0.9810	0.17	130°	0.9760	0.21	203°	0.9550	0.40	276°	0.9200	0.72	349°	0.9580	0.37
58°	0.9820	0.16	131°	0.9760	0.21	204°	0.9550	0.40	277°	0.9220	0.71	350°	0.9580	0.37
59°	0.9830	0.15	132°	0.9750	0.22	205°	0.9550	0.40	278°	0.9220	0.71	351°	0.9580	0.37
60°	0.9840	0.14	133°	0.9740	0.23	206°	0.9540	0.41	279°	0.9230	0.70	352°	0.9580	0.37
61°	0.9840	0.14	134°	0.9730	0.24	207°	0.9540	0.41	280°	0.9230	0.70	353°	0.9580	0.37
62°	0.9850	0.13	135°	0.9730	0.24	208°	0.9540	0.41	281°	0.9240	0.69	354°	0.9580	0.37
63°	0.9860	0.12	136°	0.9720	0.25	209°	0.9530	0.42	282°	0.9240	0.69	355°	0.9580	0.37
64°	0.9870	0.11	137°	0.9710	0.26	210°	0.9530	0.42	283°	0.9250	0.68	356°	0.9570	0.38
65°	0.9890	0.10	138°	0.9710	0.26	211°	0.9520	0.43	284°	0.9260	0.67	357°	0.9570	0.38
66°	0.9890	0.10	139°	0.9690	0.27	212°	0.9520	0.43	285°	0.9260	0.67	358°	0.9570	0.38
67°	0.9900	0.09	140°	0.9690	0.27	213°	0.9510	0.44	286°	0.9270	0.66	359°	0.9570	0.38
68°	0.9910	0.08	141°	0.9680	0.28	214°	0.9510	0.44	287°	0.9280	0.65	360°	0.9570	0.38
69°	0.9910	0.08	142°	0.9670	0.29	215°	0.9500	0.45	288°	0.9280	0.65			
70°	0.9920	0.07	143°	0.9670	0.29	216°	0.9500	0.45	289°	0.9290	0.64			
71°	0.9930	0.06	144°	0.9660	0.30	217°	0.9480	0.46	290°	0.9300	0.63			
72°	0.9930	0.06	145°	0.9660	0.30	218°	0.9480	0.46	291°	0.9310	0.62			

E/E_{max} de campo normalizado - atenuação positiva em dB



Parâmetros da configuração			
ELEMENTOS	HPBW VERTICAL	GANHO	PRIMEIRO NULO
N/D	47.51°	0.00 dBd	66.30°

Tabela completa - Elevação



AFCAN - Diagrama de elevação

Ângulo	E/E _{max}	Aten. dB	Ângulo	E/E _{max}	Aten. dB	Ângulo	E/E _{max}	Aten. dB	Ângulo	E/E _{max}	Aten. dB	Ângulo	E/E _{max}	Aten. dB
-90°	0.0130	37.72	-53.5°	0.1415	16.98	-17°	0.8320	1.60	19.5°	0.8045	1.89	56°	0.1260	17.99
-89.5°	0.0130	37.72	-53°	0.1470	16.65	-16.5°	0.8410	1.50	20°	0.7950	1.99	56.5°	0.1210	18.34
-89°	0.0130	37.72	-52.5°	0.1530	16.31	-16°	0.8500	1.41	20.5°	0.7850	2.10	57°	0.1160	18.71
-88.5°	0.0125	38.06	-52°	0.1590	15.97	-15.5°	0.8585	1.33	21°	0.7750	2.21	57.5°	0.1115	19.05
-88°	0.0120	38.42	-51.5°	0.1650	15.65	-15°	0.8670	1.24	21.5°	0.7650	2.33	58°	0.1070	19.41
-87.5°	0.0120	38.42	-51°	0.1710	15.34	-14.5°	0.8750	1.16	22°	0.7550	2.44	58.5°	0.1025	19.79
-87°	0.0120	38.42	-50.5°	0.1775	15.02	-14°	0.8830	1.08	22.5°	0.7445	2.56	59°	0.0980	20.18
-86.5°	0.0120	38.42	-50°	0.1840	14.70	-13.5°	0.8905	1.01	23°	0.7340	2.69	59.5°	0.0940	20.54
-86°	0.0120	38.42	-49.5°	0.1910	14.38	-13°	0.8980	0.93	23.5°	0.7235	2.81	60°	0.0900	20.92
-85.5°	0.0120	38.42	-49°	0.1980	14.07	-12.5°	0.9055	0.86	24°	0.7130	2.94	60.5°	0.0860	21.31
-85°	0.0120	38.42	-48.5°	0.2050	13.76	-12°	0.9130	0.79	24.5°	0.7025	3.07	61°	0.0820	21.72
-84.5°	0.0120	38.42	-48°	0.2120	13.47	-11.5°	0.9195	0.73	25°	0.6920	3.20	61.5°	0.0785	22.10
-84°	0.0120	38.42	-47.5°	0.2195	13.17	-11°	0.9260	0.67	25.5°	0.6810	3.34	62°	0.0750	22.50
-83.5°	0.0120	38.42	-47°	0.2270	12.88	-10.5°	0.9325	0.61	26°	0.6700	3.48	62.5°	0.0715	22.91
-83°	0.0120	38.42	-46.5°	0.2350	12.58	-10°	0.9390	0.55	26.5°	0.6590	3.62	63°	0.0680	23.35
-82.5°	0.0120	38.42	-46°	0.2430	12.29	-9.5°	0.9445	0.50	27°	0.6480	3.77	63.5°	0.0650	23.74
-82°	0.0120	38.42	-45.5°	0.2510	12.01	-9°	0.9500	0.45	27.5°	0.6370	3.92	64°	0.0620	24.15
-81.5°	0.0125	38.06	-45°	0.2590	11.73	-8.5°	0.9550	0.40	28°	0.6260	4.07	64.5°	0.0590	24.58
-81°	0.0130	37.72	-44.5°	0.2670	11.47	-8°	0.9600	0.35	28.5°	0.6150	4.22	65°	0.0560	25.04
-80.5°	0.0130	37.72	-44°	0.2750	11.21	-7.5°	0.9645	0.31	29°	0.6040	4.38	65.5°	0.0535	25.43
-80°	0.0130	37.72	-43.5°	0.2840	10.93	-7°	0.9690	0.27	29.5°	0.5930	4.54	66°	0.0510	25.85
-79.5°	0.0135	37.39	-43°	0.2930	10.66	-6.5°	0.9730	0.24	30°	0.5820	4.70	66.5°	0.0485	26.29
-79°	0.0140	37.08	-42.5°	0.3020	10.40	-6°	0.9770	0.20	30.5°	0.5705	4.87	67°	0.0460	26.74
-78.5°	0.0145	36.77	-42°	0.3110	10.14	-5.5°	0.9805	0.17	31°	0.5590	5.05	67.5°	0.0440	27.13
-78°	0.0150	36.48	-41.5°	0.3200	9.90	-5°	0.9840	0.14	31.5°	0.5480	5.22	68°	0.0420	27.53
-77.5°	0.0155	36.19	-41°	0.3290	9.66	-4.5°	0.9870	0.11	32°	0.5370	5.40	68.5°	0.0400	27.96
-77°	0.0160	35.92	-40.5°	0.3385	9.41	-4°	0.9900	0.09	32.5°	0.5260	5.58	69°	0.0380	28.40
-76.5°	0.0170	35.39	-40°	0.3480	9.17	-3.5°	0.9920	0.07	33°	0.5150	5.76	69.5°	0.0360	28.87
-76°	0.0180	34.89	-39.5°	0.3575	8.93	-3°	0.9940	0.05	33.5°	0.5040	5.95	70°	0.0340	29.37
-75.5°	0.0185	34.66	-39°	0.3670	8.71	-2.5°	0.9955	0.04	34°	0.4930	6.14	70.5°	0.0325	29.76
-75°	0.0190	34.42	-38.5°	0.3770	8.47	-2°	0.9970	0.03	34.5°	0.4825	6.33	71°	0.0310	30.17
-74.5°	0.0200	33.98	-38°	0.3870	8.25	-1.5°	0.9980	0.02	35°	0.4720	6.52	71.5°	0.0295	30.60
-74°	0.0210	33.56	-37.5°	0.3970	8.02	-1°	0.9990	0.01	35.5°	0.4610	6.73	72°	0.0280	31.06
-73.5°	0.0220	33.15	-37°	0.4070	7.81	-0.5°	0.9995	0.00	36°	0.4500	6.94	72.5°	0.0265	31.54
-73°	0.0230	32.77	-36.5°	0.4175	7.59	0°	1.0000	-0.00	36.5°	0.4395	7.14	73°	0.0250	32.04
-72.5°	0.0240	32.40	-36°	0.4280	7.37	0.5°	1.0000	-0.00	37°	0.4290	7.35	73.5°	0.0240	32.40
-72°	0.0250	32.04	-35.5°	0.4385	7.16	1°	1.0000	-0.00	37.5°	0.4190	7.56	74°	0.0230	32.77
-71.5°	0.0265	31.54	-35°	0.4490	6.96	1.5°	0.9995	0.00	38°	0.4090	7.77	74.5°	0.0220	33.15
-71°	0.0280	31.06	-34.5°	0.4600	6.74	2°	0.9990	0.01	38.5°	0.3985	7.99	75°	0.0210	33.56
-70.5°	0.0295	30.60	-34°	0.4710	6.54	2.5°	0.9985	0.01	39°	0.3880	8.22	75.5°	0.0200	33.98
-70°	0.0310	30.17	-33.5°	0.4815	6.35	3°	0.9980	0.02	39.5°	0.3785	8.44	76°	0.0190	34.42
-69.5°	0.0325	29.76	-33°	0.4920	6.16	3.5°	0.9960	0.03	40°	0.3690	8.66	76.5°	0.0185	34.66
-69°	0.0340	29.37	-32.5°	0.5030	5.97	4°	0.9940	0.05	40.5°	0.3590	8.90	77°	0.0180	34.89
-68.5°	0.0360	28.87	-32°	0.5140	5.78	4.5°	0.9920	0.07	41°	0.3490	9.14	77.5°	0.0170	35.39
-68°	0.0380	28.40	-31.5°	0.5250	5.60	5°	0.9900	0.09	41.5°	0.3395	9.38	78°	0.0160	35.92
-67.5°	0.0400	27.96	-31°	0.5360	5.42	5.5°	0.9870	0.11	42°	0.3300	9.63	78.5°	0.0155	36.19
-67°	0.0420	27.53	-30.5°	0.5470	5.24	6°	0.9840	0.14	42.5°	0.3210	9.87	79°	0.0150	36.48
-66.5°	0.0440	27.13	-30°	0.5580	5.07	6.5°	0.9810	0.17	43°	0.3120	10.12	79.5°	0.0145	36.77
-66°	0.0460	26.74	-29.5°	0.5695	4.89	7°	0.9780	0.19	43.5°	0.3030	10.37	80°	0.0140	37.08
-65.5°	0.0485	26.29	-29°	0.5810	4.72	7.5°	0.9740	0.23	44°	0.2940	10.63	80.5°	0.0135	37.39
-65°	0.0510	25.85	-28.5°	0.5920	4.55	8°	0.9700	0.26	44.5°	0.2855	10.89	81°	0.0130	37.72
-64.5°	0.0535	25.43	-28°	0.6030	4.39	8.5°	0.9655	0.30	45°	0.2770	11.15	81.5°	0.0130	37.72
-64°	0.0560	25.04	-27.5°	0.6140	4.24	9°	0.9610	0.35	45.5°	0.2685	11.42	82°	0.0130	37.72
-63.5°	0.0590	24.58	-27°	0.6250	4.08	9.5°	0.9555	0.40	46°	0.2600	11.70	82.5°	0.0125	38.06
-63°	0.0620	24.15	-26.5°	0.6360	3.93	10°	0.9500	0.45	46.5°	0.2520	11.97	83°	0.0120	38.42
-62.5°	0.0650	23.74	-26°	0.6470	3.78	10.5°	0.9445	0.50	47°	0.2440	12.25	83.5°	0.0120	38.42
-62°	0.0680	23.35	-25.5°	0.6580	3.64	11°	0.9390	0.55	47.5°	0.2360	12.54	84°	0.0120	38.42
-61.5°	0.0715	22.91	-25°	0.6690	3.49	11.5°	0.9330	0.60	48°	0.2280	12.84	84.5°	0.0120	38.42
-61°	0.0750	22.50	-24.5°	0.6800	3.35	12°	0.9270	0.66	48.5°	0.2205	13.13	85°	0.0120	38.42
-60.5°	0.0785	22.10	-24°	0.6910	3.21	12.5°	0.9200	0.72	49°	0.2130	13.43	85.5°	0.0120	38.42
-60°	0.0820	21.72	-23.5°	0.7015	3.08	13°	0.9130	0.79	49.5°	0.2060	13.72	86°	0.0120	38.42
-59.5°	0.0855	21.36	-23°	0.7120	2.95	13.5°	0.9060	0.86	50°	0.1990	14.02	86.5°	0.0120	38.42
-59°	0.0890	21.01	-22.5°	0.7230	2.82	14°	0.8990	0.92	50.5°	0.1920	14.33	87°	0.0120	38.42
-58.5°	0.0935	20.58	-22°	0.7340	2.69	14.5°	0.8910	1.00	51°	0.1850	14.66	87.5°	0.0120	38.42
-58°	0.0980	20.18	-21.5°	0.7440	2.57	15°	0.8830	1.08	51.5°	0.1785	14.97	88°	0.0120	38.42
-57.5°	0.1020	19.83	-21°	0.7540	2.45	15.5°	0.8750	1.16	52°	0.1720	15.29	88.5°	0.0120	38.42
-57°	0.1060	19.49	-20.5°	0.7645	2.33	16°	0.8670	1.24	52.5°	0.1660	15.60	89°	0.0120	38.42
-56.5°	0.1110	19.09	-20°	0.7750	2.21	16.5°	0.8585	1.33	53°	0.1600	15.92	89.5°	0.0125	38.06
-56°	0.1160	18.71	-19.5°	0.7845	2.11	17°	0.8500	1.41	53.5°	0.1540	16.25	90°	0.0130	37.72
-55.5°	0.1210	18.34	-19°	0.7940	2.00	17.5°	0.8415	1.50	54°	0.1480	16.59			
-55°	0.1260	17.99	-18.5°	0.8035	1.90	18°	0.8330	1.59	54.5°	0.1425	16.92			
-54.5°	0.1310	17.65	-18°	0.8130	1.80	18.5°	0.8235	1.69	55°	0.1370	17.27			
-54°	0.1360	17.33	-17.5°	0.8225	1.70	19°	0.8140	1.79	55.5°	0.1315	17.62			

E/E_{max} de campo normalizado - atenuação positiva em dB