

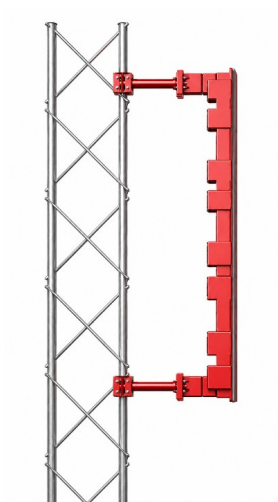
Descrição não informada.

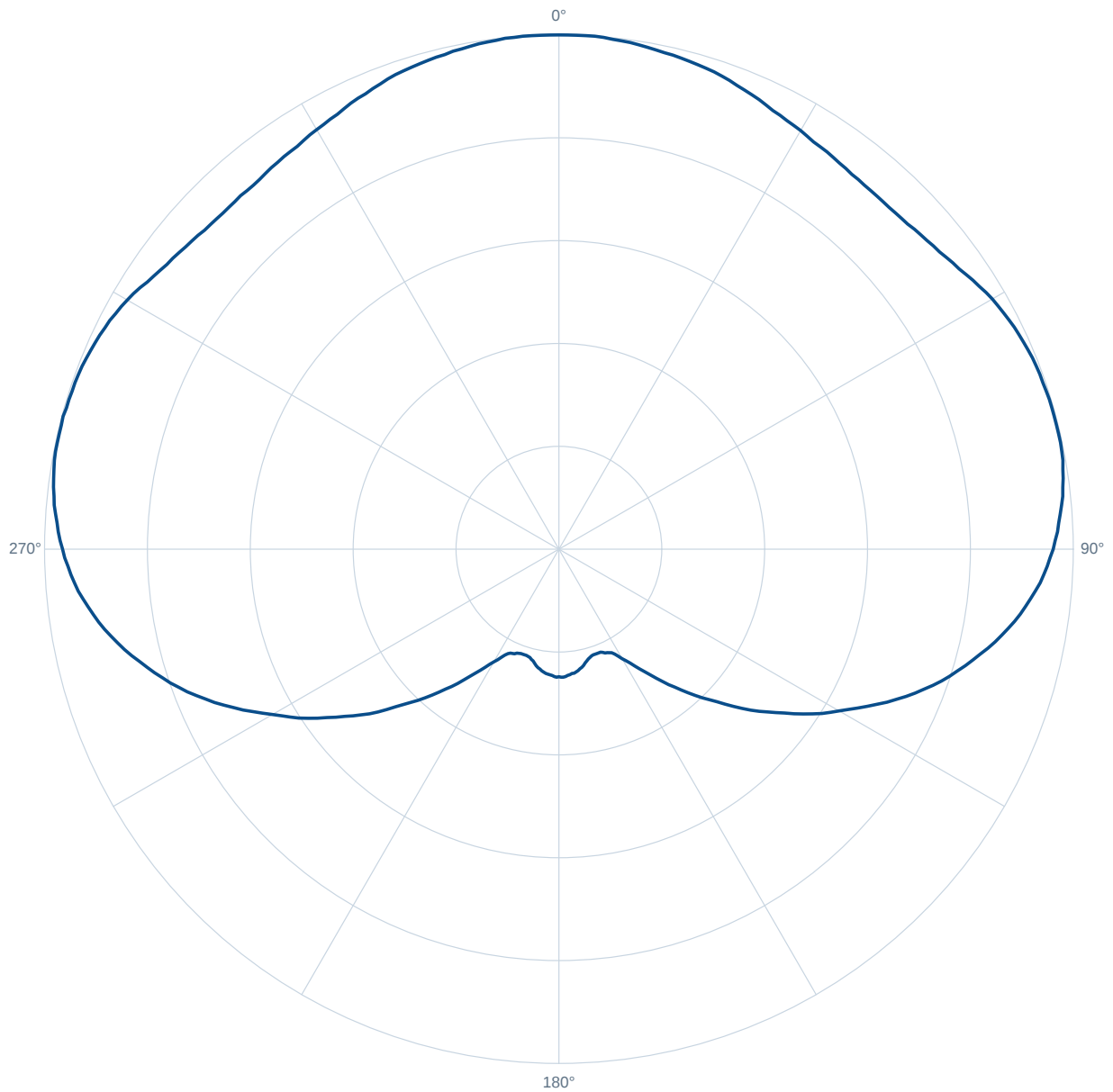


Características elétricas	
Item	Valor
Ganho cadastrado (referência)	0.00 dBd
HPBW horizontal	230.50°
HPBW vertical	46.81°
Faixa de frequência	470.00 – 806.00 MHz
Polarização	horizontal
Fabricante	EFTX Broadcast & Telecom
Categoria	TV



Validar autenticidade · 1.2





Parâmetros da configuração

HPBW HORIZONTAL

230.50°

GANHO

0.00 dBd

FRENTE/COSTAS

11.94 dB

RIPPLE

5.78 dB

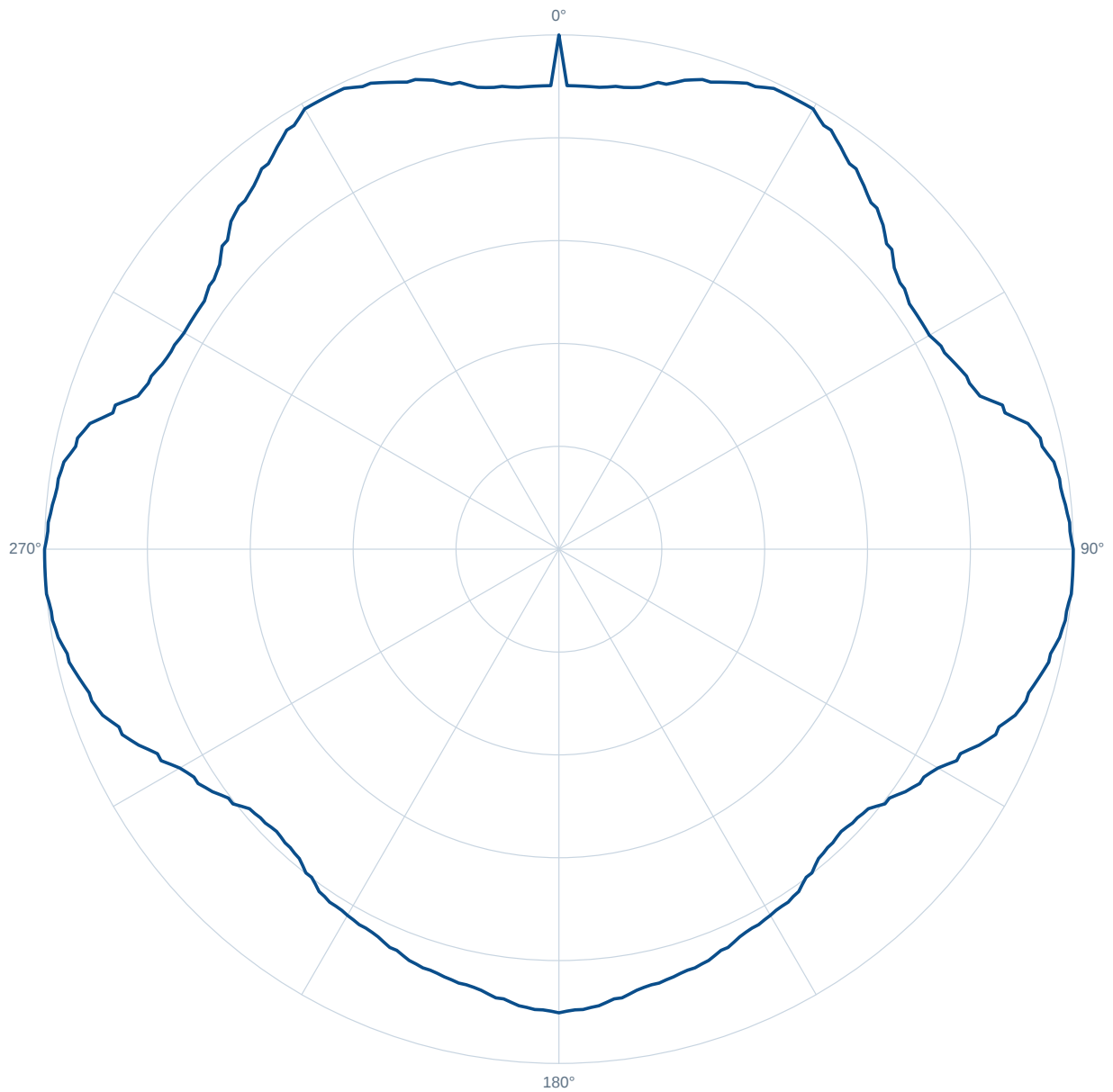
Tabela completa - Azimute



ASCDHN - 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°	1.0000	-0.00	73°	0.9970	0.03	146°	0.2810	11.03	219°	0.3500	9.12	292°	0.9910	0.08
1°	1.0000	-0.00	74°	0.9970	0.03	147°	0.2710	11.34	220°	0.3630	8.80	293°	0.9890	0.10
2°	1.0000	-0.00	75°	0.9970	0.03	148°	0.2610	11.67	221°	0.3760	8.50	294°	0.9870	0.11
3°	1.0000	-0.00	76°	0.9970	0.03	149°	0.2530	11.94	222°	0.3890	8.20	295°	0.9850	0.13
4°	1.0000	-0.00	77°	0.9970	0.03	150°	0.2460	12.18	223°	0.4020	7.92	296°	0.9820	0.16
5°	0.9990	0.01	78°	0.9970	0.03	151°	0.2380	12.47	224°	0.4140	7.66	297°	0.9800	0.18
6°	0.9970	0.03	79°	0.9960	0.03	152°	0.2310	12.73	225°	0.4270	7.39	298°	0.9760	0.21
7°	0.9960	0.03	80°	0.9950	0.04	153°	0.2260	12.92	226°	0.4410	7.11	299°	0.9730	0.24
8°	0.9950	0.04	81°	0.9920	0.07	154°	0.2240	12.99	227°	0.4570	6.80	300°	0.9690	0.27
9°	0.9930	0.06	82°	0.9900	0.09	155°	0.2220	13.07	228°	0.4730	6.50	301°	0.9650	0.31
10°	0.9910	0.08	83°	0.9870	0.11	156°	0.2210	13.11	229°	0.4880	6.23	302°	0.9600	0.35
11°	0.9890	0.10	84°	0.9850	0.13	157°	0.2180	13.23	230°	0.5010	6.00	303°	0.9540	0.41
12°	0.9870	0.11	85°	0.9810	0.17	158°	0.2160	13.31	231°	0.5150	5.76	304°	0.9500	0.45
13°	0.9860	0.12	86°	0.9770	0.20	159°	0.2160	13.31	232°	0.5280	5.55	305°	0.9460	0.48
14°	0.9840	0.14	87°	0.9730	0.24	160°	0.2160	13.31	233°	0.5430	5.30	306°	0.9420	0.52
15°	0.9820	0.16	88°	0.9700	0.26	161°	0.2160	13.31	234°	0.5570	5.08	307°	0.9400	0.54
16°	0.9800	0.18	89°	0.9650	0.31	162°	0.2160	13.31	235°	0.5730	4.84	308°	0.9370	0.57
17°	0.9780	0.19	90°	0.9610	0.35	163°	0.2170	13.27	236°	0.5880	4.61	309°	0.9340	0.59
18°	0.9760	0.21	91°	0.9550	0.40	164°	0.2190	13.19	237°	0.6030	4.39	310°	0.9320	0.61
19°	0.9730	0.24	92°	0.9500	0.45	165°	0.2210	13.11	238°	0.6160	4.21	311°	0.9300	0.63
20°	0.9700	0.26	93°	0.9440	0.50	166°	0.2240	12.99	239°	0.6290	4.03	312°	0.9270	0.66
21°	0.9660	0.30	94°	0.9380	0.56	167°	0.2270	12.88	240°	0.6430	3.84	313°	0.9260	0.67
22°	0.9630	0.33	95°	0.9300	0.63	168°	0.2310	12.73	241°	0.6580	3.64	314°	0.9250	0.68
23°	0.9600	0.35	96°	0.9220	0.71	169°	0.2340	12.62	242°	0.6730	3.44	315°	0.9240	0.69
24°	0.9570	0.38	97°	0.9140	0.78	170°	0.2360	12.54	243°	0.6890	3.24	316°	0.9240	0.69
25°	0.9530	0.42	98°	0.9060	0.86	171°	0.2390	12.43	244°	0.7030	3.06	317°	0.9240	0.69
26°	0.9490	0.45	99°	0.8970	0.94	172°	0.2410	12.36	245°	0.7180	2.88	318°	0.9250	0.68
27°	0.9470	0.47	100°	0.8870	1.04	173°	0.2430	12.29	246°	0.7330	2.70	319°	0.9240	0.69
28°	0.9440	0.50	101°	0.8770	1.14	174°	0.2430	12.29	247°	0.7460	2.55	320°	0.9240	0.69
29°	0.9420	0.52	102°	0.8670	1.24	175°	0.2450	12.22	248°	0.7600	2.38	321°	0.9250	0.68
30°	0.9400	0.54	103°	0.8560	1.35	176°	0.2460	12.18	249°	0.7740	2.23	322°	0.9270	0.66
31°	0.9370	0.57	104°	0.8440	1.47	177°	0.2480	12.11	250°	0.7860	2.09	323°	0.9290	0.64
32°	0.9340	0.59	105°	0.8330	1.59	178°	0.2490	12.08	251°	0.7990	1.95	324°	0.9300	0.63
33°	0.9330	0.60	106°	0.8220	1.70	179°	0.2490	12.08	252°	0.8100	1.83	325°	0.9320	0.61
34°	0.9320	0.61	107°	0.8100	1.83	180°	0.2480	12.11	253°	0.8220	1.70	326°	0.9330	0.60
35°	0.9300	0.63	108°	0.7990	1.95	181°	0.2490	12.08	254°	0.8330	1.59	327°	0.9340	0.59
36°	0.9280	0.65	109°	0.7870	2.08	182°	0.2480	12.11	255°	0.8440	1.47	328°	0.9370	0.57
37°	0.9270	0.66	110°	0.7740	2.23	183°	0.2460	12.18	256°	0.8560	1.35	329°	0.9400	0.54
38°	0.9250	0.68	111°	0.7600	2.38	184°	0.2450	12.22	257°	0.8670	1.24	330°	0.9420	0.52
39°	0.9250	0.68	112°	0.7470	2.53	185°	0.2440	12.25	258°	0.8770	1.14	331°	0.9440	0.50
40°	0.9240	0.69	113°	0.7330	2.70	186°	0.2430	12.29	259°	0.8870	1.04	332°	0.9470	0.47
41°	0.9240	0.69	114°	0.7180	2.88	187°	0.2410	12.36	260°	0.8970	0.94	333°	0.9490	0.45
42°	0.9240	0.69	115°	0.7040	3.05	188°	0.2390	12.43	261°	0.9060	0.86	334°	0.9530	0.42
43°	0.9240	0.69	116°	0.6880	3.25	189°	0.2360	12.54	262°	0.9140	0.78	335°	0.9570	0.38
44°	0.9240	0.69	117°	0.6730	3.44	190°	0.2340	12.62	263°	0.9220	0.71	336°	0.9600	0.35
45°	0.9250	0.68	118°	0.6580	3.64	191°	0.2310	12.73	264°	0.9300	0.63	337°	0.9620	0.34
46°	0.9260	0.67	119°	0.6430	3.84	192°	0.2270	12.88	265°	0.9380	0.56	338°	0.9660	0.30
47°	0.9270	0.66	120°	0.6290	4.03	193°	0.2230	13.03	266°	0.9440	0.50	339°	0.9690	0.27
48°	0.9300	0.63	121°	0.6160	4.21	194°	0.2210	13.11	267°	0.9500	0.45	340°	0.9730	0.24
49°	0.9320	0.61	122°	0.6030	4.39	195°	0.2180	13.23	268°	0.9550	0.40	341°	0.9760	0.21
50°	0.9340	0.59	123°	0.5880	4.61	196°	0.2170	13.27	269°	0.9610	0.35	342°	0.9780	0.19
51°	0.9370	0.57	124°	0.5730	4.84	197°	0.2160	13.31	270°	0.9650	0.31	343°	0.9800	0.18
52°	0.9390	0.55	125°	0.5580	5.07	198°	0.2160	13.31	271°	0.9700	0.26	344°	0.9820	0.16
53°	0.9430	0.51	126°	0.5420	5.32	199°	0.2160	13.31	272°	0.9740	0.23	345°	0.9840	0.14
54°	0.9470	0.47	127°	0.5280	5.55	200°	0.2160	13.31	273°	0.9770	0.20	346°	0.9860	0.12
55°	0.9500	0.45	128°	0.5140	5.78	201°	0.2170	13.27	274°	0.9810	0.17	347°	0.9870	0.11
56°	0.9550	0.40	129°	0.5010	6.00	202°	0.2180	13.23	275°	0.9850	0.13	348°	0.9900	0.09
57°	0.9600	0.35	130°	0.4870	6.25	203°	0.2210	13.11	276°	0.9870	0.11	349°	0.9910	0.08
58°	0.9640	0.32	131°	0.4720	6.52	204°	0.2220	13.07	277°	0.9900	0.09	350°	0.9930	0.06
59°	0.9690	0.27	132°	0.4570	6.80	205°	0.2230	13.03	278°	0.9920	0.07	351°	0.9950	0.04
60°	0.9730	0.24	133°	0.4420	7.09	206°	0.2260	12.92	279°	0.9940	0.05	352°	0.9960	0.03
61°	0.9760	0.21	134°	0.4270	7.39	207°	0.2310	12.73	280°	0.9960	0.03	353°	0.9970	0.03
62°	0.9790	0.18	135°	0.4140	7.66	208°	0.2380	12.47	281°	0.9970	0.03	354°	0.9990	0.01
63°	0.9820	0.16	136°	0.4020	7.92	209°	0.2460	12.18	282°	0.9970	0.03	355°	0.9990	0.01
64°	0.9850	0.13	137°	0.3890	8.20	210°	0.2530	11.94	283°	0.9970	0.03	356°	1.0000	-0.00
65°	0.9870	0.11	138°	0.3760	8.50	211°	0.2610	11.67	284°	0.9970	0.03	357°	1.0000	-0.00
66°	0.9890	0.10	139°	0.3630	8.80	212°	0.2710	11.34	285°	0.9980	0.02	358°	1.0000	-0.00
67°	0.9910	0.08	140°	0.3500	9.12	213°	0.2810	11.03	286°	0.9960	0.03	359°	1.0000	-0.00
68°	0.9930	0.06	141°	0.3390	9.40	214°	0.2910	10.72	287°	0.9960	0.03	360°	1.0000	-0.00
69°	0.9940	0.05	142°	0.3260	9.74	215°	0.3020	10.40	288°	0.9950	0.04			
70°	0.9950	0.04	143°	0.3140	10.06	216°	0.3140	10.06	289°	0.9950	0.04			
71°	0.9950	0.04	144°	0.3020	10.40	217°	0.3270	9.71	290°	0.9940	0.05			
72°	0.9960	0.03	145°	0.2910	10.72	218°	0.3390	9.40	291°	0.9930	0.06			

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



Parâmetros da configuração

HPBW HORIZONTAL

359.00°

GANHO

0.00 dBd

FRENTE/COSTAS

0.90 dB

RIPPLE

2.20 dB

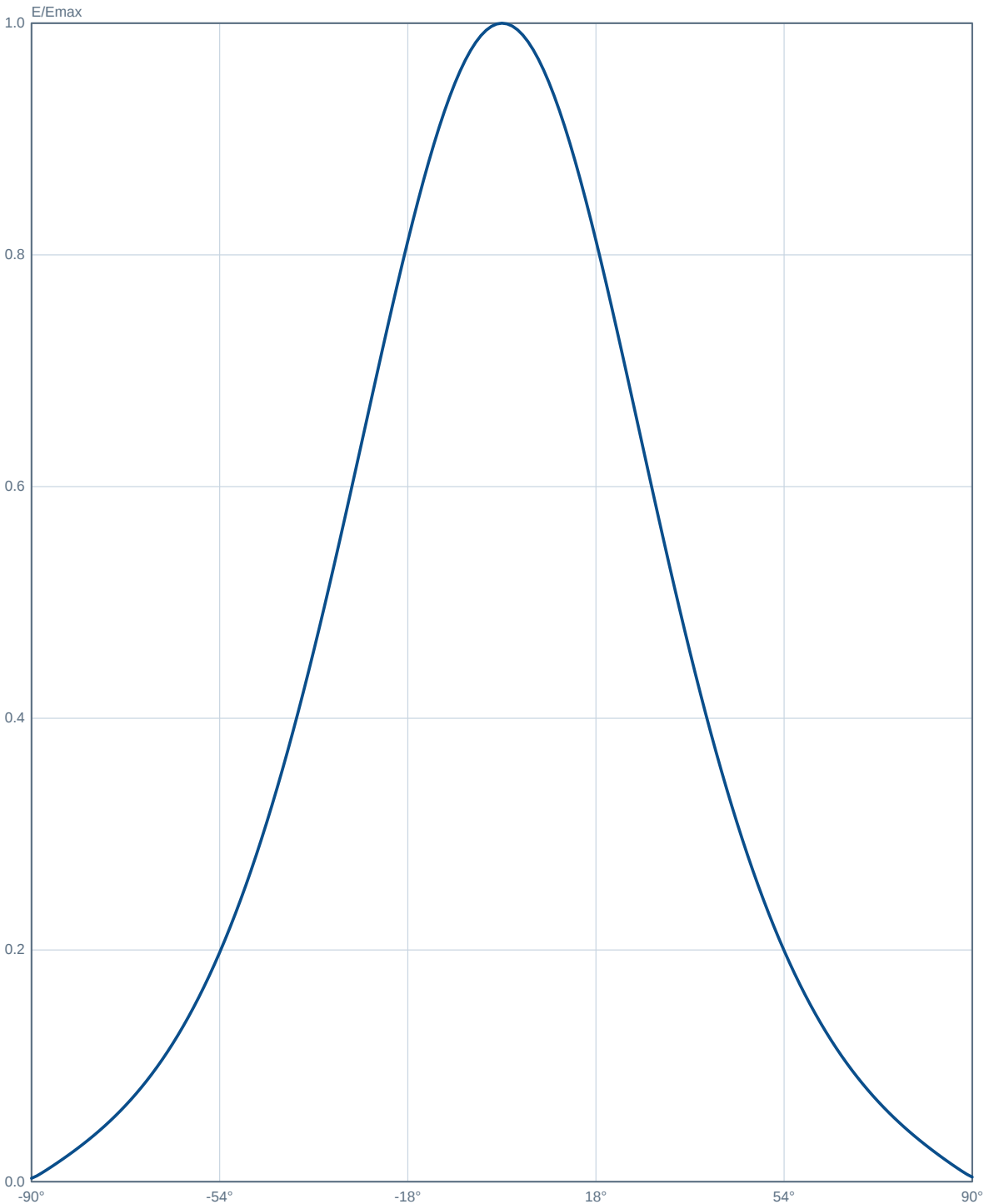
Tabela completa - Azimute



ASCDHN - Azimute 360 graus VHF

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°	1.0000	-0.00	73°	0.9068	0.85	146°	0.8147	1.78	219°	0.7916	2.03	292°	0.8610	1.30
1°	0.9016	0.90	74°	0.9247	0.68	147°	0.8185	1.74	220°	0.7852	2.10	293°	0.8610	1.30
2°	0.9016	0.90	75°	0.9441	0.50	148°	0.8185	1.74	221°	0.7834	2.12	294°	0.8561	1.35
3°	0.9016	0.90	76°	0.9517	0.43	149°	0.8194	1.73	222°	0.7807	2.15	295°	0.8511	1.40
4°	0.9016	0.90	77°	0.9605	0.35	150°	0.8222	1.70	223°	0.7807	2.15	296°	0.8482	1.43
5°	0.9016	0.90	78°	0.9605	0.35	151°	0.8241	1.68	224°	0.7780	2.18	297°	0.8463	1.45
6°	0.9036	0.88	79°	0.9683	0.28	152°	0.8270	1.65	225°	0.7762	2.20	298°	0.8463	1.45
7°	0.9068	0.85	80°	0.9772	0.20	153°	0.8270	1.65	226°	0.7780	2.18	299°	0.8433	1.48
8°	0.9068	0.85	81°	0.9795	0.18	154°	0.8289	1.63	227°	0.7807	2.15	300°	0.8414	1.50
9°	0.9089	0.83	82°	0.9829	0.15	155°	0.8318	1.60	228°	0.7807	2.15	301°	0.8414	1.50
10°	0.9120	0.80	83°	0.9829	0.15	156°	0.8366	1.55	229°	0.7834	2.12	302°	0.8414	1.50
11°	0.9194	0.73	84°	0.9851	0.13	157°	0.8414	1.50	230°	0.7852	2.10	303°	0.8414	1.50
12°	0.9279	0.65	85°	0.9886	0.10	158°	0.8414	1.50	231°	0.7943	2.00	304°	0.8414	1.50
13°	0.9279	0.65	86°	0.9908	0.08	159°	0.8463	1.45	232°	0.8045	1.89	305°	0.8414	1.50
14°	0.9354	0.58	87°	0.9943	0.05	160°	0.8511	1.40	233°	0.8045	1.89	306°	0.8463	1.45
15°	0.9441	0.50	88°	0.9943	0.05	161°	0.8531	1.38	234°	0.8128	1.80	307°	0.8511	1.40
16°	0.9495	0.45	89°	0.9966	0.03	162°	0.8561	1.35	235°	0.8222	1.70	308°	0.8511	1.40
17°	0.9550	0.40	90°	1.0000	-0.00	163°	0.8561	1.35	236°	0.8289	1.63	309°	0.8561	1.35
18°	0.9550	0.40	91°	1.0000	-0.00	164°	0.8580	1.33	237°	0.8366	1.55	310°	0.8610	1.30
19°	0.9605	0.35	92°	1.0000	-0.00	165°	0.8610	1.30	238°	0.8366	1.55	311°	0.8710	1.20
20°	0.9661	0.30	93°	1.0000	-0.00	166°	0.8630	1.28	239°	0.8433	1.48	312°	0.8810	1.10
21°	0.9716	0.25	94°	1.0000	-0.00	167°	0.8660	1.25	240°	0.8511	1.40	313°	0.8810	1.10
22°	0.9772	0.20	95°	1.0000	-0.00	168°	0.8660	1.25	241°	0.8630	1.28	314°	0.8913	1.00
23°	0.9772	0.20	96°	0.9966	0.03	169°	0.8680	1.23	242°	0.8760	1.15	315°	0.9016	0.90
24°	0.9829	0.15	97°	0.9943	0.05	170°	0.8710	1.20	243°	0.8760	1.15	316°	0.9068	0.85
25°	0.9886	0.10	98°	0.9943	0.05	171°	0.8760	1.15	244°	0.8882	1.03	317°	0.9120	0.80
26°	0.9886	0.10	99°	0.9908	0.08	172°	0.8810	1.10	245°	0.9016	0.90	318°	0.9120	0.80
27°	0.9886	0.10	100°	0.9886	0.10	173°	0.8810	1.10	246°	0.9120	0.80	319°	0.9173	0.75
28°	0.9886	0.10	101°	0.9829	0.15	174°	0.8861	1.05	247°	0.9226	0.70	320°	0.9226	0.70
29°	0.9886	0.10	102°	0.9772	0.20	175°	0.8913	1.00	248°	0.9226	0.70	321°	0.9300	0.63
30°	0.9886	0.10	103°	0.9772	0.20	176°	0.8933	0.98	249°	0.9333	0.60	322°	0.9386	0.55
31°	0.9795	0.18	104°	0.9716	0.25	177°	0.8964	0.95	250°	0.9441	0.50	323°	0.9386	0.55
32°	0.9716	0.25	105°	0.9661	0.30	178°	0.8964	0.95	251°	0.9495	0.45	324°	0.9462	0.48
33°	0.9716	0.25	106°	0.9605	0.35	179°	0.8985	0.93	252°	0.9550	0.40	325°	0.9550	0.40
34°	0.9627	0.33	107°	0.9550	0.40	180°	0.9016	0.90	253°	0.9550	0.40	326°	0.9627	0.33
35°	0.9550	0.40	108°	0.9550	0.40	181°	0.8985	0.93	254°	0.9605	0.35	327°	0.9716	0.25
36°	0.9462	0.48	109°	0.9495	0.45	182°	0.8964	0.95	255°	0.9661	0.30	328°	0.9716	0.25
37°	0.9386	0.55	110°	0.9441	0.50	183°	0.8964	0.95	256°	0.9716	0.25	329°	0.9795	0.18
38°	0.9386	0.55	111°	0.9333	0.60	184°	0.8933	0.98	257°	0.9772	0.20	330°	0.9886	0.10
39°	0.9300	0.63	112°	0.9226	0.70	185°	0.8913	1.00	258°	0.9772	0.20	331°	0.9886	0.10
40°	0.9226	0.70	113°	0.9226	0.70	186°	0.8861	1.05	259°	0.9829	0.15	332°	0.9886	0.10
41°	0.9141	0.78	114°	0.9120	0.80	187°	0.8810	1.10	260°	0.9886	0.10	333°	0.9886	0.10
42°	0.9068	0.85	115°	0.9016	0.90	188°	0.8810	1.10	261°	0.9908	0.08	334°	0.9886	0.10
43°	0.9068	0.85	116°	0.8882	1.03	189°	0.8760	1.15	262°	0.9943	0.05	335°	0.9886	0.10
44°	0.8985	0.93	117°	0.8760	1.15	190°	0.8710	1.20	263°	0.9943	0.05	336°	0.9829	0.15
45°	0.8913	1.00	118°	0.8760	1.15	191°	0.8680	1.23	264°	0.9966	0.03	337°	0.9772	0.20
46°	0.8810	1.10	119°	0.8630	1.28	192°	0.8660	1.25	265°	1.0000	-0.00	338°	0.9772	0.20
47°	0.8710	1.20	120°	0.8511	1.40	193°	0.8660	1.25	266°	1.0000	-0.00	339°	0.9716	0.25
48°	0.8710	1.20	121°	0.8433	1.48	194°	0.8630	1.28	267°	1.0000	-0.00	340°	0.9661	0.30
49°	0.8610	1.30	122°	0.8366	1.55	195°	0.8610	1.30	268°	1.0000	-0.00	341°	0.9605	0.35
50°	0.8511	1.40	123°	0.8366	1.55	196°	0.8580	1.33	269°	1.0000	-0.00	342°	0.9550	0.40
51°	0.8463	1.45	124°	0.8289	1.63	197°	0.8561	1.35	270°	1.0000	-0.00	343°	0.9550	0.40
52°	0.8414	1.50	125°	0.8222	1.70	198°	0.8561	1.35	271°	0.9966	0.03	344°	0.9495	0.45
53°	0.8414	1.50	126°	0.8128	1.80	199°	0.8531	1.38	272°	0.9943	0.05	345°	0.9441	0.50
54°	0.8366	1.55	127°	0.8045	1.89	200°	0.8511	1.40	273°	0.9943	0.05	346°	0.9354	0.58
55°	0.8318	1.60	128°	0.8045	1.89	201°	0.8463	1.45	274°	0.9908	0.08	347°	0.9279	0.65
56°	0.8318	1.60	129°	0.7943	2.00	202°	0.8414	1.50	275°	0.9886	0.10	348°	0.9279	0.65
57°	0.8318	1.60	130°	0.7852	2.10	203°	0.8414	1.50	276°	0.9851	0.13	349°	0.9194	0.73
58°	0.8318	1.60	131°	0.7834	2.12	204°	0.8366	1.55	277°	0.9829	0.15	350°	0.9120	0.80
59°	0.8318	1.60	132°	0.7807	2.15	205°	0.8318	1.60	278°	0.9829	0.15	351°	0.9089	0.83
60°	0.8318	1.60	133°	0.7807	2.15	206°	0.8289	1.63	279°	0.9795	0.18	352°	0.9068	0.85
61°	0.8366	1.55	134°	0.7780	2.18	207°	0.8270	1.65	280°	0.9772	0.20	353°	0.9068	0.85
62°	0.8414	1.50	135°	0.7762	2.20	208°	0.8270	1.65	281°	0.9683	0.28	354°	0.9036	0.88
63°	0.8414	1.50	136°	0.7780	2.18	209°	0.8241	1.68	282°	0.9605	0.35	355°	0.9016	0.90
64°	0.8463	1.45	137°	0.7807	2.15	210°	0.8222	1.70	283°	0.9605	0.35	356°	0.9016	0.90
65°	0.8511	1.40	138°	0.7807	2.15	211°	0.8194	1.73	284°	0.9517	0.43	357°	0.9016	0.90
66°	0.8561	1.35	139°	0.7834	2.12	212°	0.8185	1.74	285°	0.9441	0.50	358°	0.9016	0.90
67°	0.8610	1.30	140°	0.7852	2.10	213°	0.8185	1.74	286°	0.9247	0.68	359°	0.9016	0.90
68°	0.8610	1.30	141°	0.7916	2.03	214°	0.8147	1.78	287°	0.9068	0.85	360°	1.0000	-0.00
69°	0.8660	1.25	142°	0.7989	1.95	215°	0.8128	1.80	288°	0.9068	0.85			
70°	0.8710	1.20	143°	0.7989	1.95	216°	0.8054	1.88	289°	0.8882	1.03			
71°	0.8882	1.03	144°	0.8054	1.88	217°	0.7989	1.95	290°	0.8710	1.20			
72°	0.9068	0.85	145°	0.8128	1.80	218°	0.7989	1.95	291°	0.8660	1.25			

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



Parâmetros da configuração

ELEMENTOS

N/D

HPBW VERTICAL

46.81°

GANHO

0.00 dBd

PRIMEIRO NULO

76.30°

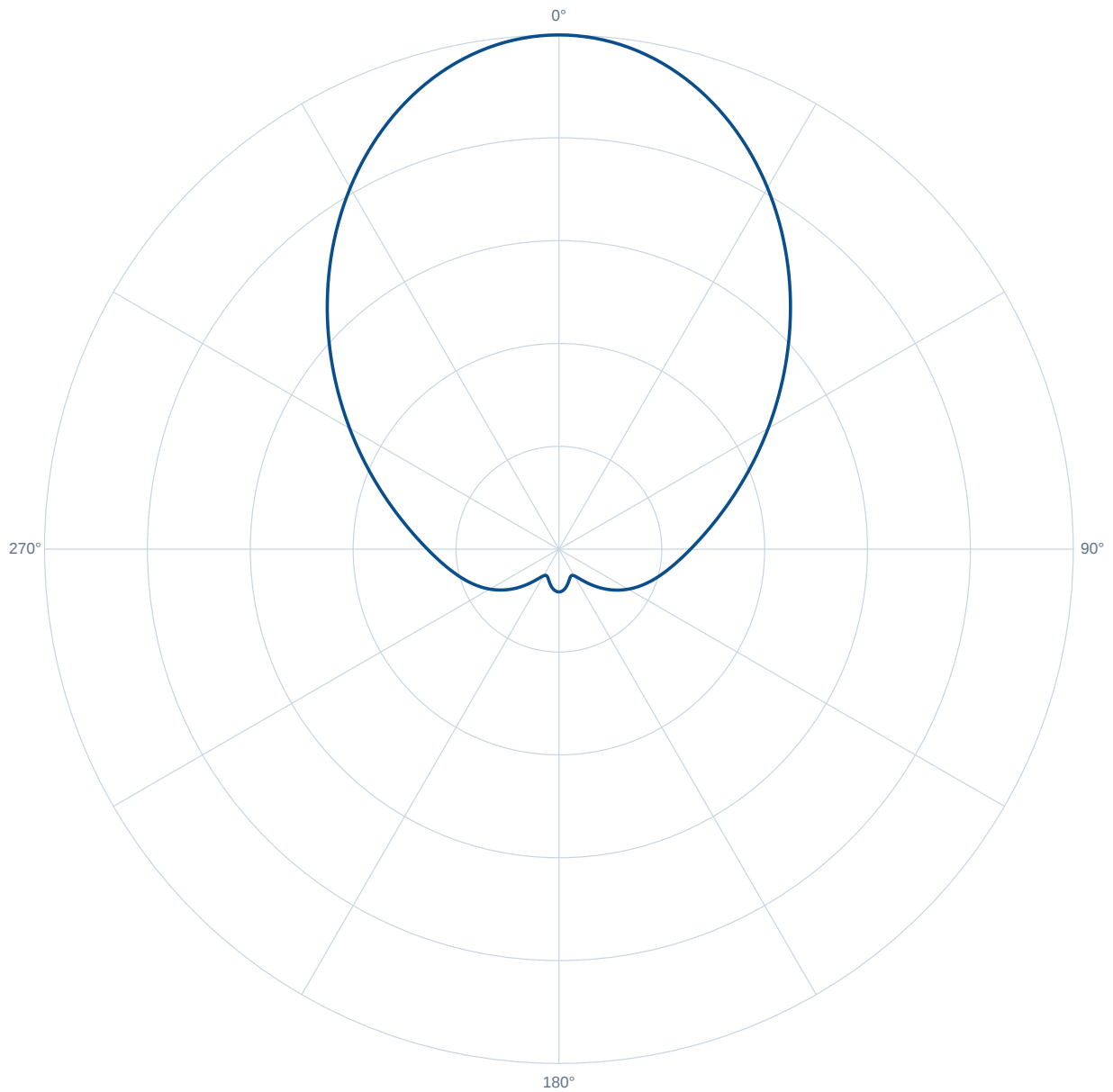
Tabela completa - Elevação



ASCDHN - 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°	0.0029	50.82	-53.5°	0.2032	13.84	-17°	0.8300	1.62	19.5°	0.7842	2.11	56°	0.1797	14.91
-89.5°	0.0040	48.05	-53°	0.2086	13.61	-16.5°	0.8387	1.53	20°	0.7746	2.22	56.5°	0.1751	15.14
-89°	0.0050	46.06	-52.5°	0.2141	13.39	-16°	0.8475	1.44	20.5°	0.7649	2.33	57°	0.1704	15.37
-88.5°	0.0063	44.00	-52°	0.2197	13.16	-15.5°	0.8559	1.35	21°	0.7551	2.44	57.5°	0.1660	15.60
-88°	0.0076	42.34	-51.5°	0.2255	12.94	-15°	0.8643	1.27	21.5°	0.7452	2.55	58°	0.1615	15.84
-87.5°	0.0091	40.85	-51°	0.2313	12.72	-14.5°	0.8723	1.19	22°	0.7353	2.67	58.5°	0.1572	16.07
-87°	0.0105	39.58	-50.5°	0.2373	12.50	-14°	0.8804	1.11	22.5°	0.7252	2.79	59°	0.1530	16.31
-86.5°	0.0120	38.44	-50°	0.2433	12.28	-13.5°	0.8881	1.03	23°	0.7152	2.91	59.5°	0.1489	16.55
-86°	0.0135	37.43	-49.5°	0.2495	12.06	-13°	0.8957	0.96	23.5°	0.7051	3.04	60°	0.1447	16.79
-85.5°	0.0150	36.50	-49°	0.2557	11.84	-12.5°	0.9030	0.89	24°	0.6949	3.16	60.5°	0.1408	17.03
-85°	0.0165	35.66	-48.5°	0.2622	11.63	-12°	0.9102	0.82	24.5°	0.6847	3.29	61°	0.1369	17.27
-84.5°	0.0180	34.88	-48°	0.2686	11.42	-11.5°	0.9170	0.75	25°	0.6745	3.42	61.5°	0.1331	17.52
-84°	0.0196	34.16	-47.5°	0.2753	11.20	-11°	0.9238	0.69	25.5°	0.6643	3.55	62°	0.1293	17.76
-83.5°	0.0212	33.48	-47°	0.2820	11.00	-10.5°	0.9301	0.63	26°	0.6541	3.69	62.5°	0.1257	18.01
-83°	0.0228	32.85	-46.5°	0.2889	10.79	-10°	0.9365	0.57	26.5°	0.6439	3.82	63°	0.1221	18.26
-82.5°	0.0244	32.24	-46°	0.2958	10.58	-9.5°	0.9423	0.52	27°	0.6336	3.96	63.5°	0.1187	18.51
-82°	0.0261	31.68	-45.5°	0.3029	10.37	-9°	0.9481	0.46	27.5°	0.6234	4.10	64°	0.1152	18.77
-81.5°	0.0278	31.13	-45°	0.3100	10.17	-8.5°	0.9534	0.41	28°	0.6132	4.25	64.5°	0.1119	19.03
-81°	0.0294	30.62	-44.5°	0.3174	9.97	-8°	0.9586	0.37	28.5°	0.6030	4.39	65°	0.1086	19.29
-80.5°	0.0312	30.12	-44°	0.3248	9.77	-7.5°	0.9634	0.32	29°	0.5929	4.54	65.5°	0.1054	19.54
-80°	0.0329	29.65	-43.5°	0.3324	9.57	-7°	0.9681	0.28	29.5°	0.5828	4.69	66°	0.1022	19.81
-79.5°	0.0347	29.19	-43°	0.3399	9.37	-6.5°	0.9722	0.24	30°	0.5727	4.84	66.5°	0.0992	20.07
-79°	0.0365	28.75	-42.5°	0.3478	9.17	-6°	0.9764	0.21	30.5°	0.5627	4.99	67°	0.0961	20.35
-78.5°	0.0384	28.32	-42°	0.3556	8.98	-5.5°	0.9799	0.18	31°	0.5527	5.15	67.5°	0.0932	20.61
-78°	0.0402	27.91	-41.5°	0.3636	8.79	-5°	0.9835	0.14	31.5°	0.5428	5.31	68°	0.0903	20.89
-77.5°	0.0422	27.50	-41°	0.3716	8.60	-4.5°	0.9864	0.12	32°	0.5330	5.47	68.5°	0.0875	21.16
-77°	0.0441	27.11	-40.5°	0.3799	8.41	-4°	0.9893	0.09	32.5°	0.5232	5.63	69°	0.0847	21.45
-76.5°	0.0461	26.72	-40°	0.3882	8.22	-3.5°	0.9916	0.07	33°	0.5135	5.79	69.5°	0.0820	21.73
-76°	0.0481	26.35	-39.5°	0.3966	8.03	-3°	0.9939	0.05	33.5°	0.5039	5.95	70°	0.0793	22.02
-75.5°	0.0502	25.99	-39°	0.4051	7.85	-2.5°	0.9956	0.04	34°	0.4943	6.12	70.5°	0.0767	22.30
-75°	0.0523	25.63	-38.5°	0.4138	7.66	-2°	0.9973	0.02	34.5°	0.4849	6.29	71°	0.0741	22.60
-74.5°	0.0545	25.28	-38°	0.4225	7.48	-1.5°	0.9983	0.02	35°	0.4755	6.46	71.5°	0.0716	22.90
-74°	0.0566	24.94	-37.5°	0.4313	7.30	-1°	0.9993	0.01	35.5°	0.4662	6.63	72°	0.0692	23.20
-73.5°	0.0589	24.60	-37°	0.4402	7.13	-0.5°	0.9996	0.00	36°	0.4570	6.80	72.5°	0.0668	23.51
-73°	0.0611	24.27	-36.5°	0.4493	6.95	0°	1.0000	-0.00	36.5°	0.4479	6.98	73°	0.0644	23.82
-72.5°	0.0635	23.94	-36°	0.4583	6.78	0.5°	0.9997	0.00	37°	0.4389	7.15	73.5°	0.0621	24.14
-72°	0.0659	23.63	-35.5°	0.4676	6.60	1°	0.9994	0.01	37.5°	0.4300	7.33	74°	0.0598	24.47
-71.5°	0.0683	23.31	-35°	0.4768	6.43	1.5°	0.9985	0.01	38°	0.4212	7.51	74.5°	0.0576	24.79
-71°	0.0708	23.00	-34.5°	0.4863	6.26	2°	0.9975	0.02	38.5°	0.4125	7.69	75°	0.0554	25.13
-70.5°	0.0733	22.69	-34°	0.4957	6.10	2.5°	0.9959	0.04	39°	0.4039	7.87	75.5°	0.0533	25.47
-70°	0.0759	22.39	-33.5°	0.5053	5.93	3°	0.9943	0.05	39.5°	0.3955	8.06	76°	0.0511	25.83
-69.5°	0.0786	22.09	-33°	0.5148	5.77	3.5°	0.9921	0.07	40°	0.3870	8.24	76.5°	0.0491	26.18
-69°	0.0813	21.80	-32.5°	0.5246	5.60	4°	0.9898	0.09	40.5°	0.3788	8.43	77°	0.0470	26.55
-68.5°	0.0841	21.50	-32°	0.5343	5.44	4.5°	0.9869	0.11	41°	0.3706	8.62	77.5°	0.0450	26.93
-68°	0.0869	21.22	-31.5°	0.5441	5.29	5°	0.9840	0.14	41.5°	0.3627	8.81	78°	0.0431	27.32
-67.5°	0.0898	20.93	-31°	0.5540	5.13	5.5°	0.9805	0.17	42°	0.3547	9.00	78.5°	0.0411	27.71
-67°	0.0928	20.65	-30.5°	0.5639	4.98	6°	0.9770	0.20	42.5°	0.3470	9.19	79°	0.0392	28.13
-66.5°	0.0958	20.37	-30°	0.5739	4.82	6.5°	0.9729	0.24	43°	0.3392	9.39	79.5°	0.0374	28.55
-66°	0.0989	20.10	-29.5°	0.5839	4.67	7°	0.9688	0.28	43.5°	0.3317	9.58	80°	0.0355	28.99
-65.5°	0.1021	19.82	-29°	0.5939	4.53	7.5°	0.9641	0.32	44°	0.3242	9.78	80.5°	0.0337	29.45
-65°	0.1053	19.55	-28.5°	0.6040	4.38	8°	0.9594	0.36	44.5°	0.3170	9.98	81°	0.0319	29.92
-64.5°	0.1087	19.28	-28°	0.6141	4.23	8.5°	0.9542	0.41	45°	0.3097	10.18	81.5°	0.0302	30.41
-64°	0.1120	19.01	-27.5°	0.6243	4.09	9°	0.9489	0.46	45.5°	0.3027	10.38	82°	0.0284	30.93
-63.5°	0.1155	18.75	-27°	0.6344	3.95	9.5°	0.9431	0.51	46°	0.2956	10.59	82.5°	0.0267	31.47
-63°	0.1190	18.49	-26.5°	0.6446	3.81	10°	0.9373	0.56	46.5°	0.2888	10.79	83°	0.0250	32.05
-62.5°	0.1227	18.22	-26°	0.6547	3.68	10.5°	0.9310	0.62	47°	0.2820	10.99	83.5°	0.0233	32.64
-62°	0.1264	17.97	-25.5°	0.6649	3.54	11°	0.9247	0.68	47.5°	0.2754	11.20	84°	0.0217	33.29
-61.5°	0.1302	17.71	-25°	0.6751	3.41	11.5°	0.9179	0.74	48°	0.2689	11.41	84.5°	0.0200	33.96
-61°	0.1340	17.46	-24.5°	0.6852	3.28	12°	0.9111	0.81	48.5°	0.2625	11.62	85°	0.0184	34.70
-60.5°	0.1380	17.20	-24°	0.6953	3.16	12.5°	0.9038	0.88	49°	0.2562	11.83	85.5°	0.0168	35.48
-60°	0.1420	16.95	-23.5°	0.7054	3.03	13°	0.8966	0.95	49.5°	0.2501	12.04	86°	0.0152	36.34
-59.5°	0.1462	16.70	-23°	0.7154	2.91	13.5°	0.8889	1.02	50°	0.2440	12.25	86.5°	0.0137	37.27
-59°	0.1504	16.46	-22.5°	0.7254	2.79	14°	0.8812	1.10	50.5°	0.2381	12.46	87°	0.0121	38.31
-58.5°	0.1548	16.21	-22°	0.7354	2.67	14.5°	0.8731	1.18	51°	0.2322	12.68	87.5°	0.0106	39.46
-58°	0.1591	15.97	-21.5°	0.7452	2.55	15°	0.8650	1.26	51.5°	0.2265	12.90	88°	0.0091	40.77
-57.5°	0.1637	15.72	-21°	0.7550	2.44	15.5°	0.8566	1.34	52°	0.2209	13.12	88.5°	0.0077	42.23
-57°	0.1682	15.48	-20.5°	0.7647	2.33	16°	0.8481	1.43	52.5°	0.2154	13.33	89°	0.0063	43.97
-56.5°	0.1730	15.24	-20°	0.7744	2.22	16.5°	0.8393	1.52	53°	0.2100	13.56	89.5°	0.0052	45.75
-56°	0.1777	15.01	-19.5°	0.7839	2.11	17°	0.8306	1.61	53.5°	0.2047	13.78	90°	0.0040	47.99
-55.5°	0.1826	14.77	-19°	0.7934	2.01	17.5°	0.8215	1.71	54°	0.1995	14.00			
-55°	0.1876	14.54	-18.5°	0.8027	1.91	18°	0.8124	1.80	54.5°	0.1944	14.22			
-54.5°	0.1927	14.30	-18°	0.8120	1.81	18.5°	0.8031	1.90	55°	0.1894	14.45			
-54°	0.1979	14.07	-17.5°	0.8210	1.71	19°	0.7937	2.01	55.5°	0.1846	14.68			

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



Parâmetros da configuração

HPBW HORIZONTAL

78.10°

GANHO

0.00 dBd

FRENTE/COSTAS

21.61 dB

RIPPLE

5.83 dB

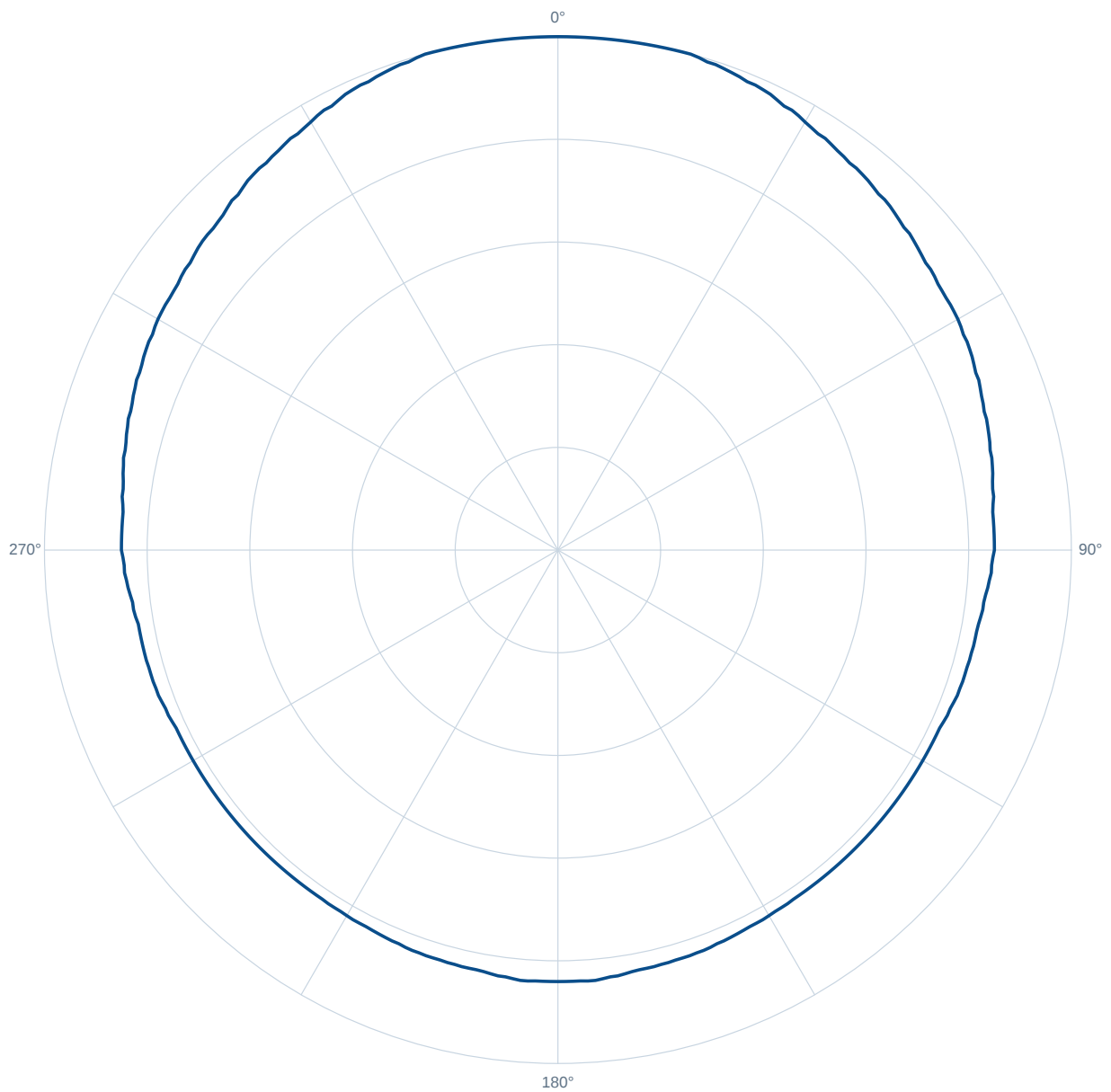
Tabela completa - Azimute



ASCDHN - Azimute 80

Ângulo	E/Emax	Aten. dB	Ângulo	E/Emax	Aten. dB	Ângulo	E/Emax	Aten. dB	Ângulo	E/Emax	Aten. dB	Ângulo	E/Emax	Aten. dB
0°	1.0000	-0.00	73°	0.3551	8.99	146°	0.0677	23.39	219°	0.0820	21.72	292°	0.3952	8.06
1°	0.9998	0.00	74°	0.3477	9.18	147°	0.0653	23.70	220°	0.0853	21.38	293°	0.4038	7.88
2°	0.9990	0.01	75°	0.3406	9.36	148°	0.0632	23.99	221°	0.0887	21.04	294°	0.4127	7.69
3°	0.9978	0.02	76°	0.3336	9.54	149°	0.0614	24.24	222°	0.0921	20.71	295°	0.4217	7.50
4°	0.9962	0.03	77°	0.3268	9.71	150°	0.0599	24.45	223°	0.0956	20.39	296°	0.4309	7.31
5°	0.9940	0.05	78°	0.3202	9.89	151°	0.0587	24.63	224°	0.0992	20.07	297°	0.4404	7.12
6°	0.9914	0.08	79°	0.3139	10.06	152°	0.0578	24.76	225°	0.1028	19.76	298°	0.4500	6.94
7°	0.9883	0.10	80°	0.3077	10.24	153°	0.0572	24.85	226°	0.1064	19.46	299°	0.4598	6.75
8°	0.9848	0.13	81°	0.3017	10.41	154°	0.0569	24.90	227°	0.1100	19.17	300°	0.4698	6.56
9°	0.9808	0.17	82°	0.2959	10.58	155°	0.0570	24.88	228°	0.1137	18.88	301°	0.4799	6.38
10°	0.9763	0.21	83°	0.2903	10.74	156°	0.0573	24.84	229°	0.1173	18.61	302°	0.4902	6.19
11°	0.9715	0.25	84°	0.2849	10.91	157°	0.0579	24.75	230°	0.1209	18.35	303°	0.5007	6.01
12°	0.9662	0.30	85°	0.2796	11.07	158°	0.0587	24.63	231°	0.1245	18.10	304°	0.5114	5.82
13°	0.9605	0.35	86°	0.2745	11.23	159°	0.0598	24.47	232°	0.1280	17.86	305°	0.5222	5.64
14°	0.9543	0.41	87°	0.2696	11.39	160°	0.0610	24.29	233°	0.1316	17.61	306°	0.5331	5.46
15°	0.9478	0.47	88°	0.2649	11.54	161°	0.0623	24.11	234°	0.1351	17.39	307°	0.5442	5.28
16°	0.9409	0.53	89°	0.2603	11.69	162°	0.0638	23.90	235°	0.1385	17.17	308°	0.5554	5.11
17°	0.9336	0.60	90°	0.2558	11.84	163°	0.0653	23.70	236°	0.1419	16.96	309°	0.5667	4.93
18°	0.9260	0.67	91°	0.2515	11.99	164°	0.0669	23.49	237°	0.1453	16.75	310°	0.5781	4.76
19°	0.9180	0.74	92°	0.2473	12.14	165°	0.0685	23.29	238°	0.1487	16.55	311°	0.5896	4.59
20°	0.9097	0.82	93°	0.2433	12.28	166°	0.0700	23.10	239°	0.1520	16.36	312°	0.6012	4.42
21°	0.9010	0.91	94°	0.2394	12.42	167°	0.0716	22.90	240°	0.1553	16.18	313°	0.6129	4.25
22°	0.8921	0.99	95°	0.2355	12.56	168°	0.0731	22.72	241°	0.1585	16.00	314°	0.6247	4.09
23°	0.8828	1.08	96°	0.2318	12.70	169°	0.0746	22.55	242°	0.1617	15.83	315°	0.6365	3.92
24°	0.8733	1.18	97°	0.2282	12.83	170°	0.0759	22.40	243°	0.1649	15.66	316°	0.6484	3.76
25°	0.8635	1.27	98°	0.2247	12.97	171°	0.0772	22.25	244°	0.1680	15.49	317°	0.6602	3.61
26°	0.8535	1.38	99°	0.2212	13.10	172°	0.0784	22.11	245°	0.1711	15.33	318°	0.6721	3.45
27°	0.8432	1.48	100°	0.2179	13.23	173°	0.0795	21.99	246°	0.1742	15.18	319°	0.6841	3.30
28°	0.8327	1.59	101°	0.2146	13.37	174°	0.0804	21.89	247°	0.1772	15.03	320°	0.6960	3.15
29°	0.8221	1.70	102°	0.2113	13.50	175°	0.0812	21.81	248°	0.1803	14.88	321°	0.7078	3.00
30°	0.8112	1.82	103°	0.2081	13.63	176°	0.0819	21.73	249°	0.1833	14.74	322°	0.7197	2.86
31°	0.8002	1.94	104°	0.2050	13.76	177°	0.0824	21.68	250°	0.1864	14.59	323°	0.7315	2.72
32°	0.7890	2.06	105°	0.2019	13.90	178°	0.0828	21.64	251°	0.1894	14.45	324°	0.7432	2.58
33°	0.7776	2.18	106°	0.1988	14.03	179°	0.0830	21.62	252°	0.1924	14.32	325°	0.7549	2.44
34°	0.7662	2.31	107°	0.1957	14.17	180°	0.0831	21.61	253°	0.1954	14.18	326°	0.7664	2.31
35°	0.7546	2.45	108°	0.1927	14.30	181°	0.0830	21.62	254°	0.1985	14.04	327°	0.7779	2.18
36°	0.7429	2.58	109°	0.1897	14.44	182°	0.0828	21.64	255°	0.2016	13.91	328°	0.7892	2.06
37°	0.7312	2.72	110°	0.1866	14.58	183°	0.0824	21.68	256°	0.2047	13.78	329°	0.8004	1.93
38°	0.7194	2.86	111°	0.1836	14.72	184°	0.0819	21.73	257°	0.2078	13.65	330°	0.8115	1.81
39°	0.7076	3.00	112°	0.1806	14.87	185°	0.0812	21.81	258°	0.2110	13.51	331°	0.8223	1.70
40°	0.6957	3.15	113°	0.1775	15.02	186°	0.0804	21.89	259°	0.2143	13.38	332°	0.8330	1.59
41°	0.6838	3.30	114°	0.1745	15.16	187°	0.0795	21.99	260°	0.2176	13.25	333°	0.8435	1.48
42°	0.6719	3.45	115°	0.1714	15.32	188°	0.0784	22.11	261°	0.2210	13.11	334°	0.8538	1.37
43°	0.6600	3.61	116°	0.1683	15.48	189°	0.0772	22.25	262°	0.2244	12.98	335°	0.8638	1.27
44°	0.6481	3.77	117°	0.1651	15.65	190°	0.0760	22.38	263°	0.2279	12.85	336°	0.8736	1.17
45°	0.6362	3.93	118°	0.1620	15.81	191°	0.0746	22.55	264°	0.2316	12.71	337°	0.8831	1.08
46°	0.6244	4.09	119°	0.1588	15.98	192°	0.0731	22.72	265°	0.2353	12.57	338°	0.8923	0.99
47°	0.6127	4.26	120°	0.1555	16.17	193°	0.0716	22.90	266°	0.2391	12.43	339°	0.9013	0.90
48°	0.6010	4.42	121°	0.1522	16.35	194°	0.0700	23.10	267°	0.2430	12.29	340°	0.9099	0.82
49°	0.5894	4.59	122°	0.1489	16.54	195°	0.0685	23.29	268°	0.2471	12.14	341°	0.9182	0.74
50°	0.5779	4.76	123°	0.1456	16.74	196°	0.0669	23.49	269°	0.2513	12.00	342°	0.9262	0.67
51°	0.5665	4.94	124°	0.1422	16.94	197°	0.0653	23.70	270°	0.2556	11.85	343°	0.9338	0.59
52°	0.5552	5.11	125°	0.1388	17.15	198°	0.0638	23.90	271°	0.2600	11.70	344°	0.9411	0.53
53°	0.5440	5.29	126°	0.1353	17.37	199°	0.0623	24.11	272°	0.2646	11.55	345°	0.9480	0.46
54°	0.5329	5.47	127°	0.1318	17.60	200°	0.0610	24.29	273°	0.2694	11.39	346°	0.9545	0.40
55°	0.5220	5.65	128°	0.1283	17.84	201°	0.0597	24.48	274°	0.2743	11.24	347°	0.9606	0.35
56°	0.5112	5.83	129°	0.1247	18.08	202°	0.0587	24.63	275°	0.2794	11.08	348°	0.9663	0.30
57°	0.5006	6.01	130°	0.1211	18.34	203°	0.0579	24.75	276°	0.2847	10.91	349°	0.9716	0.25
58°	0.4901	6.19	131°	0.1175	18.60	204°	0.0573	24.84	277°	0.2901	10.75	350°	0.9765	0.21
59°	0.4798	6.38	132°	0.1139	18.87	205°	0.0569	24.90	278°	0.2957	10.58	351°	0.9809	0.17
60°	0.4697	6.56	133°	0.1103	19.15	206°	0.0569	24.90	279°	0.3015	10.41	352°	0.9849	0.13
61°	0.4597	6.75	134°	0.1066	19.44	207°	0.0571	24.87	280°	0.3075	10.24	353°	0.9884	0.10
62°	0.4499	6.94	135°	0.1030	19.74	208°	0.0577	24.78	281°	0.3137	10.07	354°	0.9915	0.07
63°	0.4403	7.13	136°	0.0994	20.05	209°	0.0586	24.64	282°	0.3201	9.89	355°	0.9941	0.05
64°	0.4309	7.31	137°	0.0959	20.36	210°	0.0598	24.47	283°	0.3267	9.72	356°	0.9962	0.03
65°	0.4217	7.50	138°	0.0923	20.70	211°	0.0613	24.25	284°	0.3335	9.54	357°	0.9979	0.02
66°	0.4126	7.69	139°	0.0889	21.02	212°	0.0631	24.00	285°	0.3405	9.36	358°	0.9991	0.01
67°	0.4038	7.88	140°	0.0855	21.36	213°	0.0652	23.72	286°	0.3477	9.18	359°	0.9998	0.00
68°	0.3952	8.06	141°	0.0822	21.70	214°	0.0675	23.41	287°	0.3551	8.99	360°	1.0000	-0.00
69°	0.3868	8.25	142°	0.0790	22.05	215°	0.0700	23.10	288°	0.3627	8.81			
70°	0.3785	8.44	143°	0.0759	22.40	216°	0.0728	22.76	289°	0.3705	8.62			
71°	0.3705	8.62	144°	0.0730	22.73	217°	0.0757	22.42	290°	0.3785	8.44			
72°	0.3627	8.81	145°	0.0702	23.07	218°	0.0788	22.07	291°	0.3867	8.25			

E/Emax de campo normalizado - atenuação positiva em dB



Parâmetros da configuração

HPBW HORIZONTAL

359.00°

GANHO

0.00 dBd

FRENTE/COSTAS

1.50 dB

RIPPLE

1.72 dB

Tabela completa - Azimute



ASCDHN - Azimute 360 graus

Ângulo	E/Emax	Aten. dB	Ângulo	E/Emax	Aten. dB	Ângulo	E/Emax	Aten. dB	Ângulo	E/Emax	Aten. dB	Ângulo	E/Emax	Aten. dB
0°	1.0000	-0.00	73°	0.8730	1.18	146°	0.8204	1.72	219°	0.8204	1.72	292°	0.8851	1.06
1°	1.0000	-0.00	74°	0.8710	1.20	147°	0.8213	1.71	220°	0.8204	1.72	293°	0.8851	1.06
2°	1.0000	-0.00	75°	0.8690	1.22	148°	0.8213	1.71	221°	0.8204	1.72	294°	0.8872	1.04
3°	1.0000	-0.00	76°	0.8670	1.24	149°	0.8213	1.71	222°	0.8204	1.72	295°	0.8902	1.01
4°	1.0000	-0.00	77°	0.8640	1.27	150°	0.8222	1.70	223°	0.8204	1.72	296°	0.8923	0.99
5°	1.0000	-0.00	78°	0.8640	1.27	151°	0.8232	1.69	224°	0.8204	1.72	297°	0.8943	0.97
6°	1.0000	-0.00	79°	0.8620	1.29	152°	0.8232	1.69	225°	0.8204	1.72	298°	0.8943	0.97
7°	1.0000	-0.00	80°	0.8600	1.31	153°	0.8232	1.69	226°	0.8204	1.72	299°	0.8974	0.94
8°	1.0000	-0.00	81°	0.8570	1.34	154°	0.8241	1.68	227°	0.8204	1.72	300°	0.8995	0.92
9°	1.0000	-0.00	82°	0.8551	1.36	155°	0.8251	1.67	228°	0.8204	1.72	301°	0.9005	0.91
10°	1.0000	-0.00	83°	0.8551	1.36	156°	0.8260	1.66	229°	0.8204	1.72	302°	0.9016	0.90
11°	1.0000	-0.00	84°	0.8521	1.39	157°	0.8270	1.65	230°	0.8204	1.72	303°	0.9016	0.90
12°	1.0000	-0.00	85°	0.8502	1.41	158°	0.8270	1.65	231°	0.8204	1.72	304°	0.9026	0.89
13°	1.0000	-0.00	86°	0.8502	1.41	159°	0.8289	1.63	232°	0.8204	1.72	305°	0.9036	0.88
14°	1.0000	-0.00	87°	0.8502	1.41	160°	0.8299	1.62	233°	0.8204	1.72	306°	0.9068	0.85
15°	1.0000	-0.00	88°	0.8502	1.41	161°	0.8299	1.62	234°	0.8204	1.72	307°	0.9089	0.83
16°	0.9977	0.02	89°	0.8502	1.41	162°	0.8308	1.61	235°	0.8204	1.72	308°	0.9089	0.83
17°	0.9943	0.05	90°	0.8502	1.41	163°	0.8308	1.61	236°	0.8204	1.72	309°	0.9120	0.80
18°	0.9943	0.05	91°	0.8472	1.44	164°	0.8308	1.61	237°	0.8204	1.72	310°	0.9152	0.77
19°	0.9920	0.07	92°	0.8453	1.46	165°	0.8318	1.60	238°	0.8204	1.72	311°	0.9173	0.75
20°	0.9897	0.09	93°	0.8453	1.46	166°	0.8318	1.60	239°	0.8204	1.72	312°	0.9183	0.74
21°	0.9874	0.11	94°	0.8424	1.49	167°	0.8327	1.59	240°	0.8204	1.72	313°	0.9183	0.74
22°	0.9840	0.14	95°	0.8404	1.51	168°	0.8327	1.59	241°	0.8204	1.72	314°	0.9204	0.72
23°	0.9840	0.14	96°	0.8375	1.54	169°	0.8327	1.59	242°	0.8204	1.72	315°	0.9226	0.70
24°	0.9817	0.16	97°	0.8356	1.56	170°	0.8337	1.58	243°	0.8204	1.72	316°	0.9268	0.66
25°	0.9795	0.18	98°	0.8356	1.56	171°	0.8356	1.56	244°	0.8204	1.72	317°	0.9311	0.62
26°	0.9750	0.22	99°	0.8337	1.58	172°	0.8375	1.54	245°	0.8204	1.72	318°	0.9311	0.62
27°	0.9705	0.26	100°	0.8318	1.60	173°	0.8375	1.54	246°	0.8222	1.70	319°	0.9354	0.58
28°	0.9705	0.26	101°	0.8308	1.61	174°	0.8395	1.52	247°	0.8241	1.68	320°	0.9397	0.54
29°	0.9672	0.29	102°	0.8308	1.61	175°	0.8414	1.50	248°	0.8241	1.68	321°	0.9419	0.52
30°	0.9627	0.33	103°	0.8308	1.61	176°	0.8414	1.50	249°	0.8260	1.66	322°	0.9441	0.50
31°	0.9594	0.36	104°	0.8299	1.62	177°	0.8404	1.51	250°	0.8279	1.64	323°	0.9441	0.50
32°	0.9561	0.39	105°	0.8299	1.62	178°	0.8404	1.51	251°	0.8279	1.64	324°	0.9473	0.47
33°	0.9561	0.39	106°	0.8289	1.63	179°	0.8404	1.51	252°	0.8289	1.63	325°	0.9495	0.45
34°	0.9528	0.42	107°	0.8289	1.63	180°	0.8404	1.51	253°	0.8289	1.63	326°	0.9528	0.42
35°	0.9495	0.45	108°	0.8289	1.63	181°	0.8404	1.51	254°	0.8289	1.63	327°	0.9561	0.39
36°	0.9473	0.47	109°	0.8279	1.64	182°	0.8404	1.51	255°	0.8299	1.62	328°	0.9561	0.39
37°	0.9441	0.50	110°	0.8279	1.64	183°	0.8404	1.51	256°	0.8299	1.62	329°	0.9594	0.36
38°	0.9441	0.50	111°	0.8260	1.66	184°	0.8414	1.50	257°	0.8299	1.62	330°	0.9627	0.33
39°	0.9419	0.52	112°	0.8241	1.68	185°	0.8414	1.50	258°	0.8299	1.62	331°	0.9672	0.29
40°	0.9397	0.54	113°	0.8241	1.68	186°	0.8395	1.52	259°	0.8299	1.62	332°	0.9705	0.26
41°	0.9365	0.57	114°	0.8222	1.70	187°	0.8375	1.54	260°	0.8299	1.62	333°	0.9705	0.26
42°	0.9333	0.60	115°	0.8204	1.72	188°	0.8375	1.54	261°	0.8327	1.59	334°	0.9750	0.22
43°	0.9333	0.60	116°	0.8204	1.72	189°	0.8356	1.56	262°	0.8346	1.57	335°	0.9795	0.18
44°	0.9311	0.62	117°	0.8204	1.72	190°	0.8337	1.58	263°	0.8346	1.57	336°	0.9817	0.16
45°	0.9279	0.65	118°	0.8204	1.72	191°	0.8327	1.59	264°	0.8375	1.54	337°	0.9840	0.14
46°	0.9247	0.68	119°	0.8204	1.72	192°	0.8327	1.59	265°	0.8404	1.51	338°	0.9840	0.14
47°	0.9215	0.71	120°	0.8204	1.72	193°	0.8327	1.59	266°	0.8424	1.49	339°	0.9874	0.11
48°	0.9215	0.71	121°	0.8204	1.72	194°	0.8318	1.60	267°	0.8453	1.46	340°	0.9897	0.09
49°	0.9183	0.74	122°	0.8204	1.72	195°	0.8318	1.60	268°	0.8453	1.46	341°	0.9920	0.07
50°	0.9152	0.77	123°	0.8204	1.72	196°	0.8308	1.61	269°	0.8472	1.44	342°	0.9943	0.05
51°	0.9120	0.80	124°	0.8204	1.72	197°	0.8308	1.61	270°	0.8502	1.41	343°	0.9943	0.05
52°	0.9089	0.83	125°	0.8204	1.72	198°	0.8308	1.61	271°	0.8502	1.41	344°	0.9977	0.02
53°	0.9089	0.83	126°	0.8204	1.72	199°	0.8299	1.62	272°	0.8502	1.41	345°	1.0000	-0.00
54°	0.9068	0.85	127°	0.8204	1.72	200°	0.8299	1.62	273°	0.8502	1.41	346°	1.0000	-0.00
55°	0.9036	0.88	128°	0.8204	1.72	201°	0.8289	1.63	274°	0.8502	1.41	347°	1.0000	-0.00
56°	0.9026	0.89	129°	0.8204	1.72	202°	0.8270	1.65	275°	0.8502	1.41	348°	1.0000	-0.00
57°	0.9016	0.90	130°	0.8204	1.72	203°	0.8270	1.65	276°	0.8521	1.39	349°	1.0000	-0.00
58°	0.9016	0.90	131°	0.8204	1.72	204°	0.8260	1.66	277°	0.8551	1.36	350°	1.0000	-0.00
59°	0.9005	0.91	132°	0.8204	1.72	205°	0.8251	1.67	278°	0.8551	1.36	351°	1.0000	-0.00
60°	0.8995	0.92	133°	0.8204	1.72	206°	0.8241	1.68	279°	0.8570	1.34	352°	1.0000	-0.00
61°	0.8974	0.94	134°	0.8204	1.72	207°	0.8232	1.69	280°	0.8600	1.31	353°	1.0000	-0.00
62°	0.8943	0.97	135°	0.8204	1.72	208°	0.8232	1.69	281°	0.8620	1.29	354°	1.0000	-0.00
63°	0.8943	0.97	136°	0.8204	1.72	209°	0.8232	1.69	282°	0.8650	1.26	355°	1.0000	-0.00
64°	0.8923	0.99	137°	0.8204	1.72	210°	0.8222	1.70	283°	0.8650	1.26	356°	1.0000	-0.00
65°	0.8902	1.01	138°	0.8204	1.72	211°	0.8213	1.71	284°	0.8670	1.24	357°	1.0000	-0.00
66°	0.8872	1.04	139°	0.8204	1.72	212°	0.8213	1.71	285°	0.8700	1.21	358°	1.0000	-0.00
67°	0.8841	1.07	140°	0.8204	1.72	213°	0.8213	1.71	286°	0.8720	1.19	359°	1.0000	-0.00
68°	0.8841	1.07	141°	0.8204	1.72	214°	0.8204	1.72	287°	0.8750	1.16	360°	1.0000	-0.00
69°	0.8810	1.10	142°	0.8204	1.72	215°	0.8204	1.72	288°	0.8750	1.16			
70°	0.8780	1.13	143°	0.8204	1.72	216°	0.8204	1.72	289°	0.8770	1.14			
71°	0.8760	1.15	144°	0.8204	1.72	217°	0.8204	1.72	290°	0.8800	1.11			
72°	0.8730	1.18	145°	0.8204	1.72	218°	0.8204	1.72	291°	0.8821	1.09			

E/Emax de campo normalizado - atenuação positiva em dB