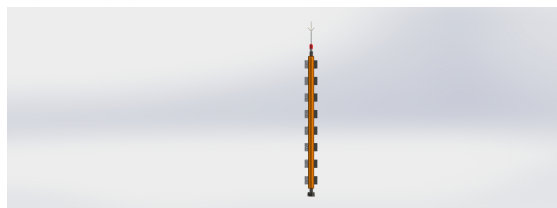


Antena cavidade de fendas, polarização circular ou elíptica para TV DIGITAL UHF canal 14-52. Diagrama direcional, omnidirecional ou específico. Montagem em topo ou lateral de torre. Variada gama de diagramas de radiação, potências de entrada e ganhos.



Características elétricas

Item	Valor
Ganho cadastrado (referência)	0.00 dBd
HPBW horizontal	82.39°
HPBW vertical	46.81°
Faixa de frequência	470.00 – 704.00 MHz
Polarização	Elíptica direita
Fabricante	EFTX Broadcast
Categoria	TV
Largura de faixa	6 MHz ou 12 MHz (opcional)
Quantidade de fendas	2, 4, 6, 8, 12 ou 16 fendas
Velocidade Máx. vento	180 km/h
Frequency range	470.0 a 704.0 MHz
Polarization	circular



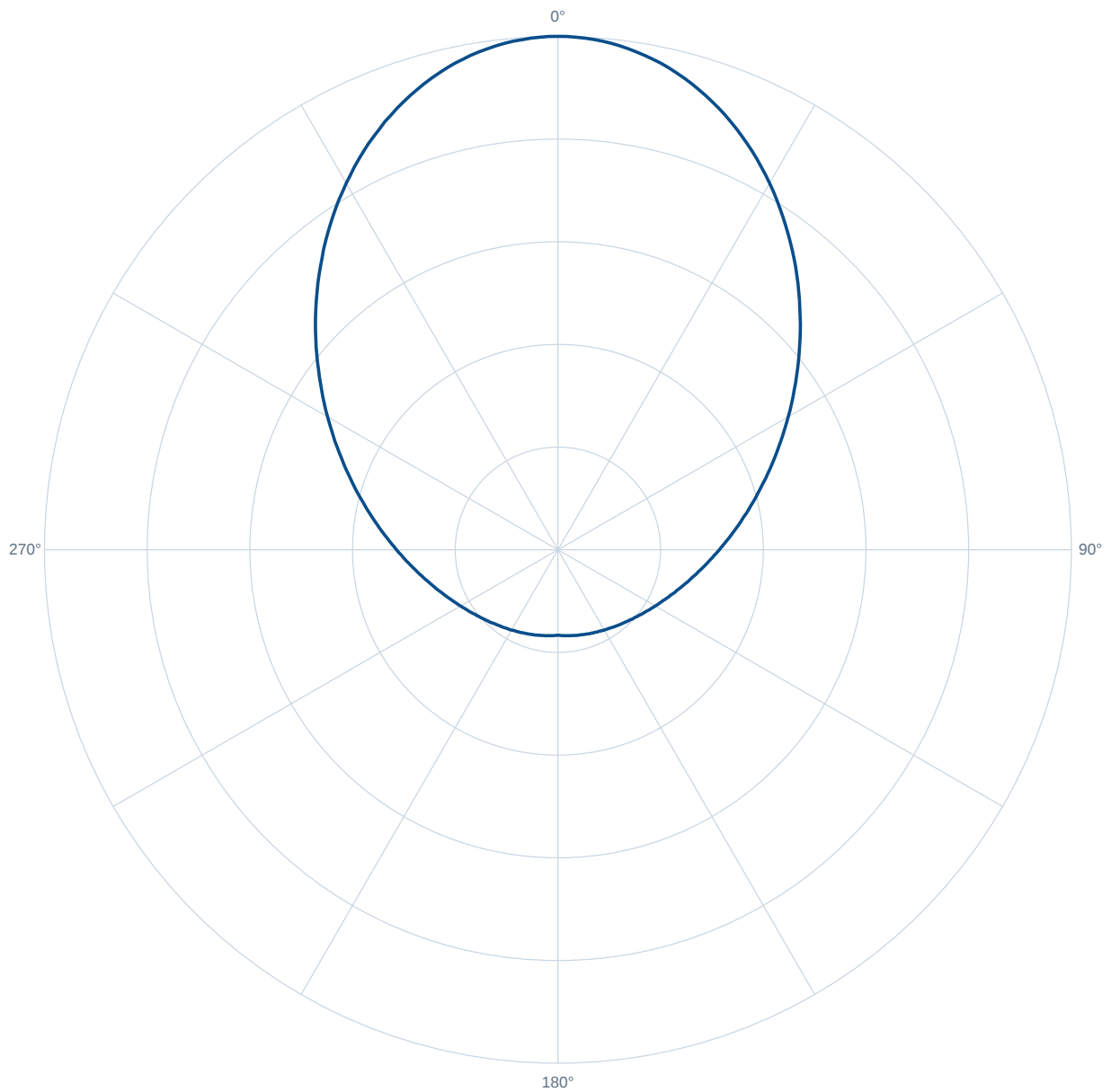
Validar autenticidade · 1.1

Página 1 · Código E69BF138

Características mecânicas	
Item	Valor
Dimensões e esforços	Vide tabela
Wind speed	180.0 km/h
Materials	especificacoes, potencia max, de acordo com projeto



Azimute selecionado no cardápio de diagramas.



Parâmetros da configuração

HPBW HORIZONTAL

82.39°

GANHO

0.00 dBd

FRENTE/COSTAS

14.87 dB

RIPPLE

5.87 dB

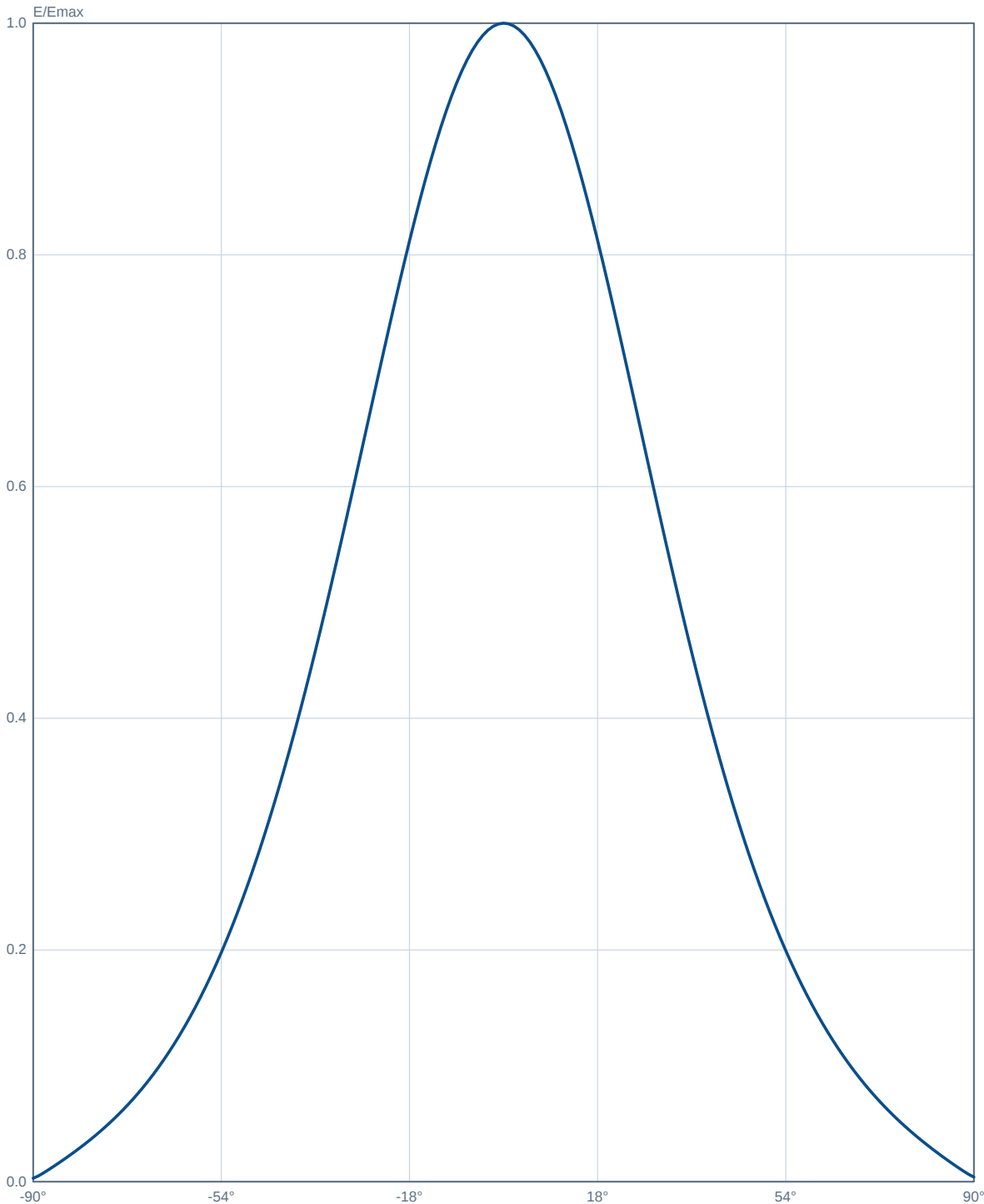
Tabela completa - Azimute



ASCE · slot_eliptica_80 · Azimute

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°	0.4132	7.68	146°	0.1835	14.73	219°	0.1881	14.51	292°	0.4506	6.92
1°	1.0000	-0.00	74°	0.4062	7.83	147°	0.1825	14.77	220°	0.1891	14.47	293°	0.4581	6.78
2°	0.9990	0.01	75°	0.3997	7.96	148°	0.1820	14.80	221°	0.1901	14.42	294°	0.4665	6.62
3°	0.9980	0.02	76°	0.3932	8.11	149°	0.1810	14.85	222°	0.1916	14.35	295°	0.4745	6.48
4°	0.9965	0.03	77°	0.3862	8.26	150°	0.1806	14.87	223°	0.1930	14.29	296°	0.4835	6.31
5°	0.9945	0.05	78°	0.3802	8.40	151°	0.1796	14.92	224°	0.1940	14.24	297°	0.4915	6.17
6°	0.9920	0.07	79°	0.3742	8.54	152°	0.1790	14.94	225°	0.1950	14.20	298°	0.5000	6.02
7°	0.9890	0.10	80°	0.3673	8.70	153°	0.1780	14.99	226°	0.1966	14.13	299°	0.5090	5.87
8°	0.9855	0.13	81°	0.3618	8.83	154°	0.1776	15.01	227°	0.1976	14.09	300°	0.5179	5.71
9°	0.9815	0.16	82°	0.3563	8.96	155°	0.1770	15.04	228°	0.1990	14.02	301°	0.5274	5.56
10°	0.9775	0.20	83°	0.3503	9.11	156°	0.1760	15.09	229°	0.2006	13.96	302°	0.5364	5.41
11°	0.9730	0.24	84°	0.3448	9.25	157°	0.1760	15.09	230°	0.2015	13.91	303°	0.5459	5.26
12°	0.9685	0.28	85°	0.3393	9.39	158°	0.1750	15.14	231°	0.2035	13.83	304°	0.5549	5.12
13°	0.9630	0.33	86°	0.3343	9.52	159°	0.1750	15.14	232°	0.2045	13.78	305°	0.5644	4.97
14°	0.9570	0.38	87°	0.3288	9.66	160°	0.1740	15.19	233°	0.2065	13.70	306°	0.5743	4.82
15°	0.9510	0.44	88°	0.3238	9.79	161°	0.1735	15.21	234°	0.2081	13.64	307°	0.5838	4.67
16°	0.9445	0.50	89°	0.3188	9.93	162°	0.1730	15.24	235°	0.2101	13.55	308°	0.5943	4.52
17°	0.9375	0.56	90°	0.3144	10.05	163°	0.1725	15.26	236°	0.2115	13.49	309°	0.6043	4.37
18°	0.9305	0.63	91°	0.3099	10.18	164°	0.1721	15.29	237°	0.2130	13.43	310°	0.6148	4.23
19°	0.9230	0.70	92°	0.3049	10.32	165°	0.1715	15.31	238°	0.2150	13.35	311°	0.6248	4.09
20°	0.9155	0.77	93°	0.3009	10.43	166°	0.1711	15.34	239°	0.2170	13.27	312°	0.6353	3.94
21°	0.9075	0.84	94°	0.2964	10.56	167°	0.1711	15.34	240°	0.2190	13.19	313°	0.6457	3.80
22°	0.8990	0.92	95°	0.2924	10.68	168°	0.1705	15.37	241°	0.2210	13.11	314°	0.6562	3.66
23°	0.8905	1.01	96°	0.2884	10.80	169°	0.1701	15.39	242°	0.2230	13.03	315°	0.6667	3.52
24°	0.8815	1.10	97°	0.2844	10.92	170°	0.1695	15.42	243°	0.2250	12.96	316°	0.6772	3.39
25°	0.8725	1.18	98°	0.2804	11.04	171°	0.1691	15.44	244°	0.2275	12.86	317°	0.6877	3.25
26°	0.8635	1.27	99°	0.2764	11.17	172°	0.1691	15.44	245°	0.2295	12.78	318°	0.6987	3.11
27°	0.8540	1.37	100°	0.2734	11.26	173°	0.1685	15.47	246°	0.2320	12.69	319°	0.7092	2.99
28°	0.8441	1.47	101°	0.2694	11.39	174°	0.1681	15.49	247°	0.2345	12.60	320°	0.7196	2.86
29°	0.8346	1.57	102°	0.2659	11.51	175°	0.1681	15.49	248°	0.2370	12.50	321°	0.7301	2.73
30°	0.8246	1.68	103°	0.2629	11.60	176°	0.1675	15.52	249°	0.2395	12.42	322°	0.7416	2.60
31°	0.8146	1.78	104°	0.2599	11.70	177°	0.1675	15.52	250°	0.2420	12.32	323°	0.7521	2.47
32°	0.8041	1.89	105°	0.2564	11.82	178°	0.1671	15.54	251°	0.2450	12.22	324°	0.7626	2.35
33°	0.7936	2.01	106°	0.2534	11.92	179°	0.1665	15.57	252°	0.2480	12.11	325°	0.7731	2.24
34°	0.7831	2.12	107°	0.2504	12.03	180°	0.1665	15.57	253°	0.2505	12.02	326°	0.7836	2.12
35°	0.7726	2.24	108°	0.2474	12.13	181°	0.1665	15.57	254°	0.2535	11.92	327°	0.7941	2.00
36°	0.7621	2.36	109°	0.2444	12.24	182°	0.1671	15.54	255°	0.2565	11.82	328°	0.8046	1.89
37°	0.7516	2.48	110°	0.2425	12.31	183°	0.1675	15.52	256°	0.2595	11.72	329°	0.8141	1.79
38°	0.7412	2.60	111°	0.2395	12.42	184°	0.1675	15.52	257°	0.2629	11.60	330°	0.8246	1.68
39°	0.7307	2.73	112°	0.2365	12.52	185°	0.1681	15.49	258°	0.2665	11.49	331°	0.8340	1.58
40°	0.7202	2.85	113°	0.2345	12.60	186°	0.1681	15.49	259°	0.2694	11.39	332°	0.8445	1.47
41°	0.7092	2.98	114°	0.2320	12.69	187°	0.1685	15.47	260°	0.2734	11.26	333°	0.8540	1.37
42°	0.6987	3.11	115°	0.2295	12.78	188°	0.1691	15.44	261°	0.2770	11.15	334°	0.8635	1.27
43°	0.6877	3.25	116°	0.2270	12.88	189°	0.1691	15.44	262°	0.2804	11.04	335°	0.8730	1.18
44°	0.6772	3.39	117°	0.2250	12.96	190°	0.1695	15.42	263°	0.2844	10.92	336°	0.8815	1.10
45°	0.6662	3.53	118°	0.2230	13.03	191°	0.1701	15.39	264°	0.2884	10.80	337°	0.8900	1.01
46°	0.6558	3.67	119°	0.2210	13.11	192°	0.1701	15.39	265°	0.2924	10.68	338°	0.8995	0.92
47°	0.6458	3.80	120°	0.2190	13.19	193°	0.1711	15.34	266°	0.2969	10.55	339°	0.9070	0.85
48°	0.6353	3.94	121°	0.2170	13.27	194°	0.1711	15.34	267°	0.3009	10.43	340°	0.9155	0.77
49°	0.6248	4.09	122°	0.2150	13.35	195°	0.1721	15.29	268°	0.3049	10.32	341°	0.9230	0.70
50°	0.6143	4.23	123°	0.2135	13.41	196°	0.1721	15.29	269°	0.3099	10.18	342°	0.9305	0.63
51°	0.6043	4.37	124°	0.2115	13.49	197°	0.1726	15.26	270°	0.3144	10.05	343°	0.9375	0.56
52°	0.5943	4.52	125°	0.2095	13.58	198°	0.1730	15.24	271°	0.3188	9.93	344°	0.9445	0.50
53°	0.5844	4.67	126°	0.2080	13.64	199°	0.1736	15.21	272°	0.3238	9.79	345°	0.9510	0.44
54°	0.5744	4.82	127°	0.2065	13.70	200°	0.1740	15.19	273°	0.3288	9.66	346°	0.9570	0.38
55°	0.5649	4.96	128°	0.2050	13.77	201°	0.1746	15.16	274°	0.3338	9.53	347°	0.9630	0.33
56°	0.5549	5.12	129°	0.2030	13.85	202°	0.1750	15.14	275°	0.3393	9.39	348°	0.9685	0.28
57°	0.5459	5.26	130°	0.2020	13.89	203°	0.1756	15.11	276°	0.3448	9.25	349°	0.9730	0.24
58°	0.5365	5.41	131°	0.2000	13.98	204°	0.1766	15.06	277°	0.3503	9.11	350°	0.9780	0.19
59°	0.5275	5.56	132°	0.1990	14.02	205°	0.1770	15.04	278°	0.3557	8.98	351°	0.9820	0.16
60°	0.5180	5.71	133°	0.1980	14.07	206°	0.1776	15.01	279°	0.3617	8.83	352°	0.9855	0.13
61°	0.5090	5.87	134°	0.1960	14.15	207°	0.1786	14.96	280°	0.3677	8.69	353°	0.9890	0.10
62°	0.5000	6.02	135°	0.1950	14.20	208°	0.1786	14.96	281°	0.3737	8.55	354°	0.9920	0.07
63°	0.4915	6.17	136°	0.1940	14.24	209°	0.1796	14.92	282°	0.3802	8.40	355°	0.9945	0.05
64°	0.4830	6.32	137°	0.1925	14.31	210°	0.1806	14.87	283°	0.3862	8.26	356°	0.9960	0.03
65°	0.4746	6.47	138°	0.1915	14.36	211°	0.1816	14.82	284°	0.3927	8.12	357°	0.9980	0.02
66°	0.4666	6.62	139°	0.1905	14.40	212°	0.1821	14.79	285°	0.3997	7.97	358°	0.9990	0.01
67°	0.4586	6.77	140°	0.1895	14.45	213°	0.1825	14.77	286°	0.4067	7.82	359°	1.0000	-0.00
68°	0.4506	6.92	141°	0.1885	14.49	214°	0.1835	14.73	287°	0.4136	7.67	360°	1.0000	-0.00
69°	0.4431	7.07	142°	0.1875	14.54	215°	0.1845	14.68	288°	0.4206	7.52			
70°	0.4351	7.23	143°	0.1865	14.59	216°	0.1855	14.63	289°	0.4276	7.38			
71°	0.4281	7.37	144°	0.1855	14.63	217°	0.1861	14.61	290°	0.4351	7.23			
72°	0.4202	7.53	145°	0.1845	14.68	218°	0.1871	14.56	291°	0.4431	7.07			

E/Emax 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

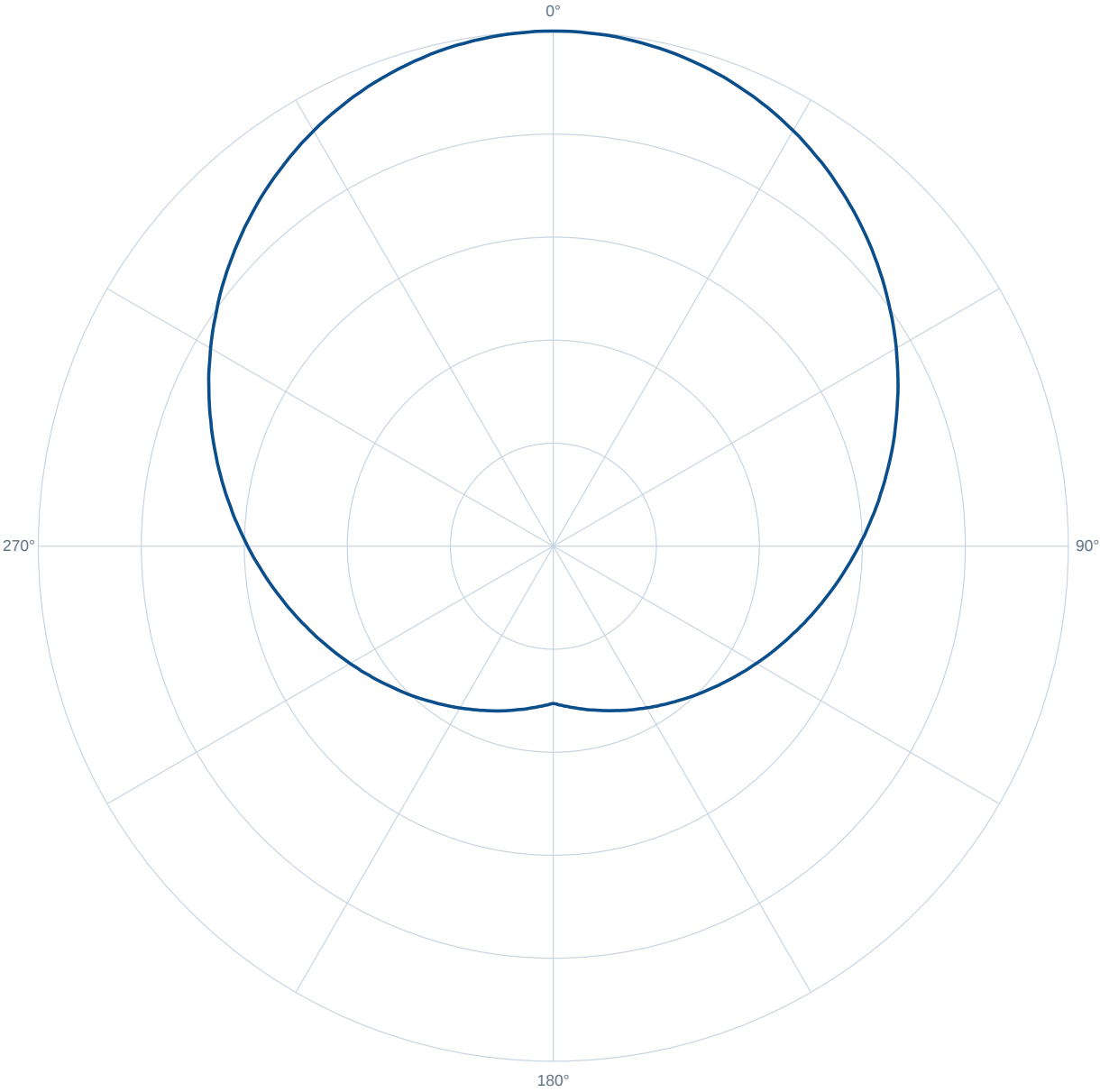


ASCE - Diagrama de elevação

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°	0.0029	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	16.54
-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°	0.9587	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°	0.4769	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°	0.9920	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	12.47	87°	0.0121	38.31
-58.5°	0.1548	16.21	-22°	0.7353	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

Azimute selecionado no cardápio de diagramas.



Parâmetros da configuração

HPBW HORIZONTAL

140.23°

GANHO

0.00 dBd

FRENTE/COSTAS

8.81 dB

RIPPLE

5.94 dB

Tabela completa - Azimute

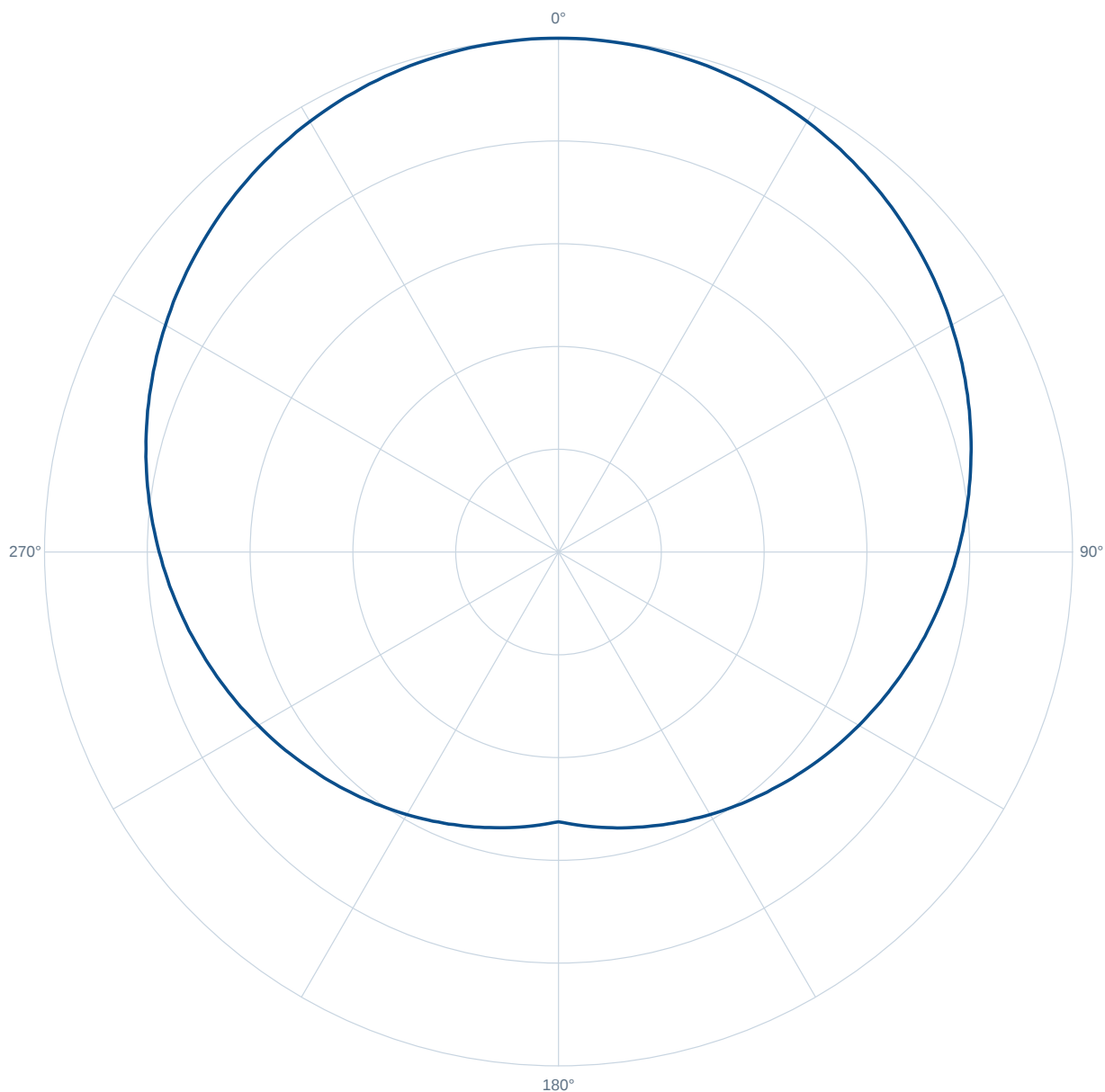


ASCE · slot_eliptica_140 · Azimute

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°	0.6906	3.22	146°	0.3722	8.58	219°	0.3862	8.26	292°	0.7200	2.85
1°	1.0000	-0.00	74°	0.6846	3.29	147°	0.3702	8.63	220°	0.3892	8.20	293°	0.7260	2.78
2°	1.0000	-0.00	75°	0.6786	3.37	148°	0.3672	8.70	221°	0.3922	8.13	294°	0.7320	2.71
3°	0.9995	0.00	76°	0.6726	3.45	149°	0.3652	8.75	222°	0.3952	8.06	295°	0.7380	2.64
4°	0.9985	0.01	77°	0.6666	3.52	150°	0.3622	8.82	223°	0.3982	8.00	296°	0.7445	2.56
5°	0.9980	0.02	78°	0.6606	3.60	151°	0.3602	8.87	224°	0.4012	7.93	297°	0.7505	2.49
6°	0.9975	0.02	79°	0.6551	3.67	152°	0.3572	8.94	225°	0.4042	7.87	298°	0.7560	2.43
7°	0.9965	0.03	80°	0.6491	3.75	153°	0.3552	8.99	226°	0.4072	7.80	299°	0.7620	2.36
8°	0.9950	0.04	81°	0.6431	3.83	154°	0.3532	9.04	227°	0.4102	7.74	300°	0.7685	2.29
9°	0.9935	0.06	82°	0.6381	3.90	155°	0.3507	9.10	228°	0.4132	7.68	301°	0.7745	2.22
10°	0.9920	0.07	83°	0.6321	3.98	156°	0.3487	9.15	229°	0.4162	7.61	302°	0.7805	2.15
11°	0.9900	0.09	84°	0.6266	4.06	157°	0.3462	9.21	230°	0.4197	7.54	303°	0.7865	2.09
12°	0.9885	0.10	85°	0.6206	4.14	158°	0.3442	9.26	231°	0.4232	7.47	304°	0.7920	2.03
13°	0.9865	0.12	86°	0.6151	4.22	159°	0.3417	9.33	232°	0.4267	7.40	305°	0.7980	1.96
14°	0.9845	0.14	87°	0.6096	4.30	160°	0.3397	9.38	233°	0.4302	7.33	306°	0.8045	1.89
15°	0.9820	0.16	88°	0.6046	4.37	161°	0.3377	9.43	234°	0.4337	7.26	307°	0.8105	1.82
16°	0.9795	0.18	89°	0.5986	4.46	162°	0.3357	9.48	235°	0.4367	7.20	308°	0.8165	1.76
17°	0.9770	0.20	90°	0.5936	4.53	163°	0.3337	9.53	236°	0.4407	7.12	309°	0.8220	1.70
18°	0.9745	0.22	91°	0.5881	4.61	164°	0.3317	9.58	237°	0.4447	7.04	310°	0.8280	1.64
19°	0.9715	0.25	92°	0.5826	4.69	165°	0.3297	9.64	238°	0.4477	6.98	311°	0.8335	1.58
20°	0.9690	0.27	93°	0.5776	4.77	166°	0.3277	9.69	239°	0.4517	6.90	312°	0.8390	1.52
21°	0.9655	0.30	94°	0.5721	4.85	167°	0.3263	9.73	240°	0.4557	6.83	313°	0.8450	1.46
22°	0.9620	0.34	95°	0.5671	4.93	168°	0.3247	9.77	241°	0.4592	6.76	314°	0.8505	1.41
23°	0.9585	0.37	96°	0.5621	5.00	169°	0.3227	9.82	242°	0.4632	6.69	315°	0.8560	1.35
24°	0.9555	0.40	97°	0.5571	5.08	170°	0.3207	9.88	243°	0.4672	6.61	316°	0.8620	1.29
25°	0.9515	0.43	98°	0.5521	5.16	171°	0.3193	9.92	244°	0.4712	6.54	317°	0.8670	1.24
26°	0.9480	0.46	99°	0.5471	5.24	172°	0.3173	9.97	245°	0.4752	6.46	318°	0.8725	1.18
27°	0.9440	0.50	100°	0.5421	5.32	173°	0.3157	10.01	246°	0.4792	6.39	319°	0.8780	1.13
28°	0.9400	0.54	101°	0.5371	5.40	174°	0.3143	10.05	247°	0.4831	6.32	320°	0.8835	1.08
29°	0.9355	0.58	102°	0.5326	5.47	175°	0.3123	10.11	248°	0.4876	6.24	321°	0.8885	1.03
30°	0.9315	0.62	103°	0.5276	5.55	176°	0.3113	10.14	249°	0.4921	6.16	322°	0.8935	0.98
31°	0.9275	0.65	104°	0.5231	5.63	177°	0.3093	10.19	250°	0.4961	6.09	323°	0.8985	0.93
32°	0.9225	0.70	105°	0.5186	5.70	178°	0.3083	10.22	251°	0.5006	6.01	324°	0.9030	0.89
33°	0.9180	0.74	106°	0.5136	5.79	179°	0.3063	10.28	252°	0.5046	5.94	325°	0.9080	0.84
34°	0.9130	0.79	107°	0.5096	5.86	180°	0.3053	10.31	253°	0.5096	5.85	326°	0.9130	0.79
35°	0.9090	0.83	108°	0.5046	5.94	181°	0.3063	10.28	254°	0.5141	5.78	327°	0.9175	0.75
36°	0.9040	0.88	109°	0.5006	6.01	182°	0.3083	10.22	255°	0.5186	5.70	328°	0.9225	0.70
37°	0.8990	0.92	110°	0.4956	6.10	183°	0.3093	10.19	256°	0.5231	5.63	329°	0.9265	0.66
38°	0.8935	0.98	111°	0.4916	6.17	184°	0.3113	10.14	257°	0.5281	5.55	330°	0.9310	0.62
39°	0.8885	1.03	112°	0.4876	6.24	185°	0.3123	10.11	258°	0.5326	5.47	331°	0.9355	0.58
40°	0.8835	1.08	113°	0.4831	6.32	186°	0.3143	10.05	259°	0.5371	5.40	332°	0.9395	0.54
41°	0.8780	1.13	114°	0.4791	6.39	187°	0.3158	10.01	260°	0.5421	5.32	333°	0.9435	0.51
42°	0.8730	1.18	115°	0.4751	6.46	188°	0.3173	9.97	261°	0.5471	5.24	334°	0.9470	0.47
43°	0.8675	1.23	116°	0.4711	6.54	189°	0.3193	9.92	262°	0.5521	5.16	335°	0.9510	0.44
44°	0.8620	1.29	117°	0.4671	6.61	190°	0.3213	9.86	263°	0.5571	5.08	336°	0.9550	0.40
45°	0.8565	1.35	118°	0.4631	6.69	191°	0.3228	9.82	264°	0.5621	5.00	337°	0.9580	0.37
46°	0.8510	1.40	119°	0.4591	6.76	192°	0.3243	9.78	265°	0.5671	4.93	338°	0.9620	0.34
47°	0.8455	1.46	120°	0.4551	6.84	193°	0.3263	9.73	266°	0.5721	4.85	339°	0.9650	0.31
48°	0.8395	1.52	121°	0.4511	6.91	194°	0.3283	9.68	267°	0.5776	4.77	340°	0.9680	0.28
49°	0.8340	1.58	122°	0.4476	6.98	195°	0.3303	9.62	268°	0.5831	4.69	341°	0.9710	0.26
50°	0.8280	1.64	123°	0.4441	7.05	196°	0.3323	9.57	269°	0.5881	4.61	342°	0.9740	0.23
51°	0.8225	1.70	124°	0.4401	7.13	197°	0.3343	9.52	270°	0.5936	4.53	343°	0.9765	0.21
52°	0.8165	1.76	125°	0.4367	7.20	198°	0.3363	9.47	271°	0.5986	4.46	344°	0.9795	0.18
53°	0.8105	1.82	126°	0.4331	7.27	199°	0.3382	9.42	272°	0.6041	4.38	345°	0.9815	0.16
54°	0.8045	1.89	127°	0.4297	7.34	200°	0.3402	9.36	273°	0.6096	4.30	346°	0.9845	0.14
55°	0.7985	1.95	128°	0.4261	7.41	201°	0.3422	9.31	274°	0.6151	4.22	347°	0.9865	0.12
56°	0.7930	2.01	129°	0.4227	7.48	202°	0.3442	9.26	275°	0.6211	4.14	348°	0.9885	0.10
57°	0.7870	2.08	130°	0.4197	7.54	203°	0.3462	9.21	276°	0.6266	4.06	349°	0.9905	0.08
58°	0.7810	2.15	131°	0.4161	7.62	204°	0.3488	9.15	277°	0.6316	3.99	350°	0.9915	0.07
59°	0.7750	2.21	132°	0.4127	7.69	205°	0.3508	9.10	278°	0.6376	3.91	351°	0.9935	0.06
60°	0.7690	2.28	133°	0.4097	7.75	206°	0.3532	9.04	279°	0.6436	3.83	352°	0.9945	0.05
61°	0.7625	2.35	134°	0.4067	7.82	207°	0.3552	8.99	280°	0.6490	3.75	353°	0.9960	0.03
62°	0.7565	2.42	135°	0.4037	7.88	208°	0.3578	8.93	281°	0.6550	3.67	354°	0.9970	0.03
63°	0.7505	2.49	136°	0.4007	7.94	209°	0.3602	8.87	282°	0.6605	3.60	355°	0.9980	0.02
64°	0.7445	2.56	137°	0.3977	8.01	210°	0.3628	8.81	283°	0.6665	3.52	356°	0.9985	0.01
65°	0.7385	2.63	138°	0.3947	8.08	211°	0.3652	8.75	284°	0.6725	3.45	357°	0.9990	0.01
66°	0.7325	2.70	139°	0.3917	8.14	212°	0.3677	8.69	285°	0.6780	3.37	358°	1.0000	-0.00
67°	0.7260	2.78	140°	0.3887	8.21	213°	0.3702	8.63	286°	0.6840	3.30	359°	1.0000	-0.00
68°	0.7200	2.85	141°	0.3857	8.28	214°	0.3727	8.57	287°	0.6900	3.22	360°	1.0000	-0.00
69°	0.7140	2.93	142°	0.3832	8.33	215°	0.3752	8.51	288°	0.6960	3.15			
70°	0.7080	3.00	143°	0.3802	8.40	216°	0.3782	8.45	289°	0.7020	3.07			
71°	0.7020	3.07	144°	0.3777	8.46	217°	0.3807	8.39	290°	0.7075	3.01			
72°	0.6966	3.14	145°	0.3752	8.51	218°	0.3832	8.33	291°	0.7140	2.93			

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

Azimute selecionado no cardápio de diagramas.



Parâmetros da configuração

HPBW HORIZONTAL

220.23°

GANHO

0.00 dBd

FRENTE/COSTAS

4.58 dB

RIPPLE

5.60 dB

Tabela completa - Azimute

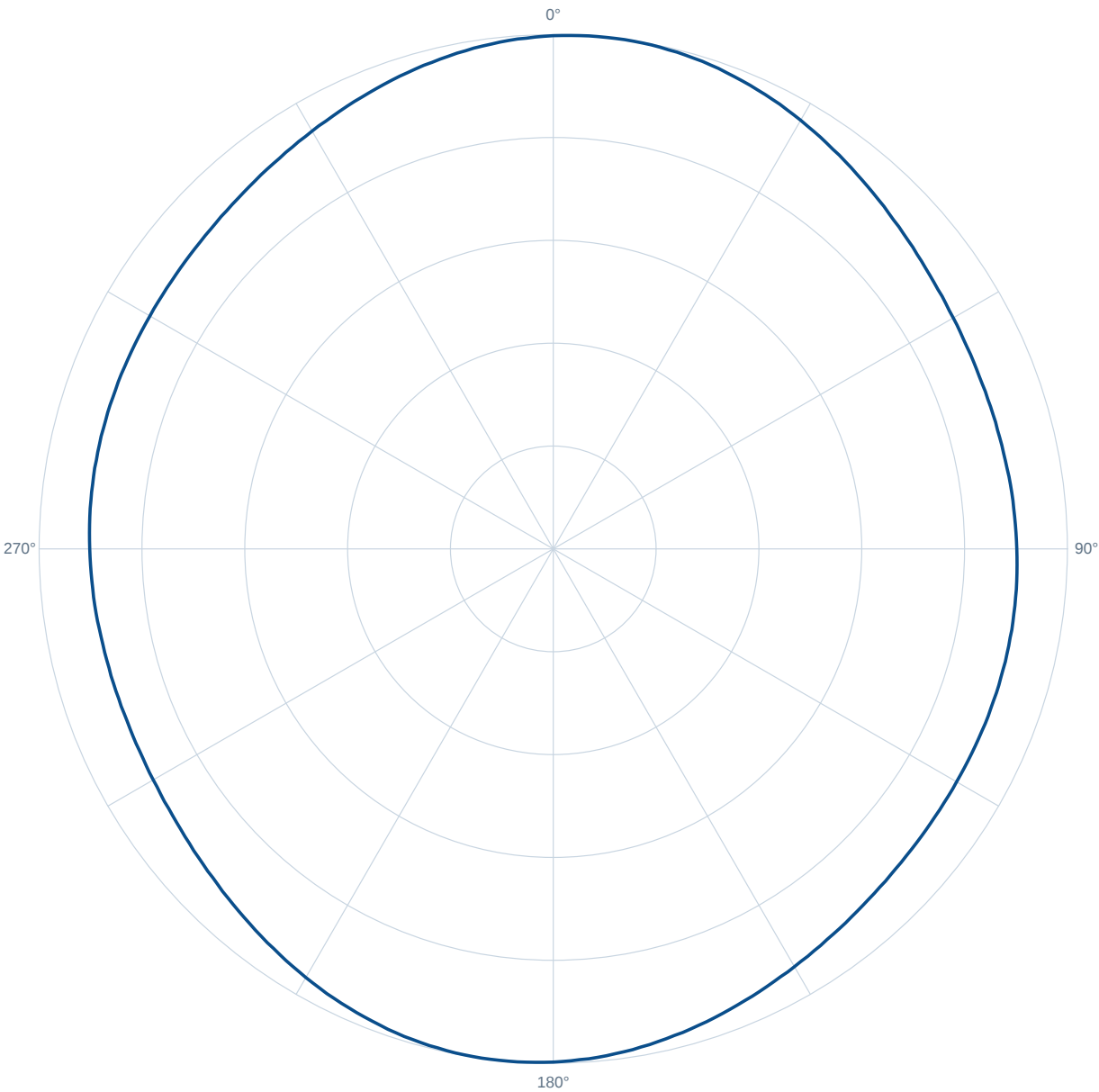


ASCD - slot_eliptica_220 - Azimute

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°	0.8380	1.54	146°	0.6000	4.44	219°	0.6135	4.24	292°	0.8555	1.36
1°	1.0000	-0.00	74°	0.8345	1.57	147°	0.5975	4.47	220°	0.6160	4.21	293°	0.8590	1.32
2°	1.0000	-0.00	75°	0.8310	1.61	148°	0.5950	4.51	221°	0.6185	4.17	294°	0.8630	1.28
3°	1.0000	-0.00	76°	0.8275	1.64	149°	0.5925	4.55	222°	0.6215	4.13	295°	0.8660	1.25
4°	0.9995	0.00	77°	0.8235	1.69	150°	0.5900	4.58	223°	0.6245	4.09	296°	0.8700	1.21
5°	0.9990	0.01	78°	0.8200	1.72	151°	0.5875	4.62	224°	0.6270	4.05	297°	0.8730	1.18
6°	0.9985	0.01	79°	0.8165	1.76	152°	0.5850	4.66	225°	0.6300	4.01	298°	0.8765	1.14
7°	0.9980	0.02	80°	0.8130	1.80	153°	0.5820	4.70	226°	0.6330	3.97	299°	0.8800	1.11
8°	0.9975	0.02	81°	0.8090	1.84	154°	0.5800	4.73	227°	0.6355	3.94	300°	0.8830	1.08
9°	0.9970	0.03	82°	0.8060	1.87	155°	0.5780	4.76	228°	0.6380	3.90	301°	0.8865	1.05
10°	0.9965	0.03	83°	0.8020	1.92	156°	0.5750	4.81	229°	0.6410	3.86	302°	0.8895	1.02
11°	0.9955	0.04	84°	0.7985	1.95	157°	0.5730	4.84	230°	0.6440	3.82	303°	0.8935	0.98
12°	0.9945	0.05	85°	0.7950	1.99	158°	0.5705	4.87	231°	0.6470	3.78	304°	0.8965	0.95
13°	0.9935	0.06	86°	0.7910	2.04	159°	0.5685	4.90	232°	0.6500	3.74	305°	0.8995	0.92
14°	0.9925	0.07	87°	0.7880	2.07	160°	0.5660	4.94	233°	0.6530	3.70	306°	0.9025	0.89
15°	0.9915	0.07	88°	0.7840	2.11	161°	0.5635	4.98	234°	0.6565	3.66	307°	0.9060	0.86
16°	0.9905	0.08	89°	0.7805	2.15	162°	0.5615	5.01	235°	0.6595	3.62	308°	0.9090	0.83
17°	0.9895	0.09	90°	0.7770	2.19	163°	0.5595	5.04	236°	0.6625	3.58	309°	0.9120	0.80
18°	0.9880	0.10	91°	0.7730	2.24	164°	0.5570	5.08	237°	0.6655	3.54	310°	0.9150	0.77
19°	0.9865	0.12	92°	0.7700	2.27	165°	0.5550	5.11	238°	0.6685	3.50	311°	0.9180	0.74
20°	0.9850	0.13	93°	0.7660	2.32	166°	0.5530	5.14	239°	0.6715	3.46	312°	0.9210	0.71
21°	0.9840	0.14	94°	0.7625	2.36	167°	0.5510	5.18	240°	0.6745	3.42	313°	0.9240	0.69
22°	0.9820	0.16	95°	0.7590	2.40	168°	0.5490	5.21	241°	0.6780	3.38	314°	0.9270	0.66
23°	0.9805	0.17	96°	0.7555	2.44	169°	0.5466	5.25	242°	0.6810	3.34	315°	0.9300	0.63
24°	0.9790	0.18	97°	0.7520	2.48	170°	0.5446	5.28	243°	0.6840	3.30	316°	0.9330	0.60
25°	0.9770	0.20	98°	0.7485	2.52	171°	0.5426	5.31	244°	0.6880	3.25	317°	0.9355	0.58
26°	0.9750	0.22	99°	0.7450	2.56	172°	0.5406	5.34	245°	0.6910	3.21	318°	0.9385	0.55
27°	0.9735	0.23	100°	0.7415	2.60	173°	0.5386	5.38	246°	0.6940	3.17	319°	0.9410	0.53
28°	0.9715	0.25	101°	0.7380	2.64	174°	0.5366	5.41	247°	0.6975	3.13	320°	0.9435	0.51
29°	0.9695	0.27	102°	0.7345	2.68	175°	0.5346	5.44	248°	0.7005	3.09	321°	0.9465	0.48
30°	0.9675	0.29	103°	0.7315	2.72	176°	0.5326	5.47	249°	0.7040	3.05	322°	0.9490	0.45
31°	0.9655	0.30	104°	0.7275	2.76	177°	0.5306	5.51	250°	0.7075	3.01	323°	0.9515	0.43
32°	0.9630	0.33	105°	0.7245	2.80	178°	0.5286	5.54	251°	0.7105	2.97	324°	0.9535	0.41
33°	0.9605	0.35	106°	0.7205	2.85	179°	0.5266	5.57	252°	0.7140	2.93	325°	0.9565	0.39
34°	0.9585	0.37	107°	0.7175	2.88	180°	0.5251	5.60	253°	0.7175	2.88	326°	0.9585	0.37
35°	0.9565	0.39	108°	0.7140	2.93	181°	0.5266	5.57	254°	0.7205	2.85	327°	0.9605	0.35
36°	0.9535	0.41	109°	0.7105	2.97	182°	0.5286	5.54	255°	0.7240	2.81	328°	0.9635	0.32
37°	0.9515	0.43	110°	0.7075	3.01	183°	0.5306	5.51	256°	0.7275	2.76	329°	0.9655	0.30
38°	0.9485	0.46	111°	0.7040	3.05	184°	0.5326	5.47	257°	0.7310	2.72	330°	0.9675	0.29
39°	0.9465	0.48	112°	0.7005	3.09	185°	0.5346	5.44	258°	0.7350	2.67	331°	0.9695	0.27
40°	0.9435	0.51	113°	0.6975	3.13	186°	0.5366	5.41	259°	0.7380	2.64	332°	0.9715	0.25
41°	0.9410	0.53	114°	0.6940	3.17	187°	0.5386	5.38	260°	0.7415	2.60	333°	0.9735	0.23
42°	0.9385	0.55	115°	0.6910	3.21	188°	0.5406	5.34	261°	0.7450	2.56	334°	0.9755	0.22
43°	0.9355	0.58	116°	0.6875	3.25	189°	0.5426	5.31	262°	0.7485	2.52	335°	0.9775	0.20
44°	0.9330	0.60	117°	0.6840	3.30	190°	0.5446	5.28	263°	0.7520	2.48	336°	0.9785	0.19
45°	0.9300	0.63	118°	0.6810	3.34	191°	0.5466	5.25	264°	0.7555	2.44	337°	0.9805	0.17
46°	0.9270	0.66	119°	0.6780	3.38	192°	0.5486	5.22	265°	0.7595	2.39	338°	0.9825	0.15
47°	0.9240	0.69	120°	0.6750	3.41	193°	0.5506	5.18	266°	0.7625	2.36	339°	0.9835	0.14
48°	0.9210	0.71	121°	0.6715	3.46	194°	0.5526	5.15	267°	0.7660	2.32	340°	0.9855	0.13
49°	0.9180	0.74	122°	0.6685	3.50	195°	0.5550	5.11	268°	0.7700	2.27	341°	0.9865	0.12
50°	0.9150	0.77	123°	0.6655	3.54	196°	0.5570	5.08	269°	0.7730	2.24	342°	0.9880	0.10
51°	0.9120	0.80	124°	0.6625	3.58	197°	0.5596	5.04	270°	0.7770	2.19	343°	0.9895	0.09
52°	0.9090	0.83	125°	0.6595	3.62	198°	0.5616	5.01	271°	0.7805	2.15	344°	0.9905	0.08
53°	0.9060	0.86	126°	0.6565	3.66	199°	0.5640	4.97	272°	0.7840	2.11	345°	0.9915	0.07
54°	0.9030	0.89	127°	0.6535	3.69	200°	0.5660	4.94	273°	0.7875	2.07	346°	0.9925	0.07
55°	0.8995	0.92	128°	0.6505	3.73	201°	0.5680	4.91	274°	0.7915	2.03	347°	0.9935	0.06
56°	0.8965	0.95	129°	0.6475	3.77	202°	0.5710	4.87	275°	0.7950	1.99	348°	0.9945	0.05
57°	0.8930	0.98	130°	0.6445	3.82	203°	0.5730	4.84	276°	0.7985	1.95	349°	0.9955	0.04
58°	0.8900	1.01	131°	0.6415	3.86	204°	0.5750	4.81	277°	0.8025	1.91	350°	0.9965	0.03
59°	0.8865	1.05	132°	0.6385	3.90	205°	0.5780	4.76	278°	0.8055	1.88	351°	0.9970	0.03
60°	0.8830	1.08	133°	0.6355	3.94	206°	0.5800	4.73	279°	0.8095	1.84	352°	0.9975	0.02
61°	0.8795	1.12	134°	0.6330	3.97	207°	0.5825	4.69	280°	0.8130	1.80	353°	0.9980	0.02
62°	0.8765	1.14	135°	0.6300	4.01	208°	0.5850	4.66	281°	0.8165	1.76	354°	0.9985	0.01
63°	0.8730	1.18	136°	0.6270	4.05	209°	0.5875	4.62	282°	0.8200	1.72	355°	0.9990	0.01
64°	0.8695	1.21	137°	0.6240	4.10	210°	0.5900	4.58	283°	0.8240	1.68	356°	0.9995	0.00
65°	0.8665	1.24	138°	0.6210	4.14	211°	0.5925	4.55	284°	0.8270	1.65	357°	1.0000	-0.00
66°	0.8625	1.28	139°	0.6190	4.17	212°	0.5950	4.51	285°	0.8310	1.61	358°	1.0000	-0.00
67°	0.8595	1.32	140°	0.6160	4.21	213°	0.5975	4.47	286°	0.8345	1.57	359°	1.0000	-0.00
68°	0.8555	1.36	141°	0.6130	4.25	214°	0.6000	4.44	287°	0.8380	1.54	360°	1.0000	-0.00
69°	0.8525	1.39	142°	0.6105	4.29	215°	0.6025	4.40	288°	0.8415	1.50			
70°	0.8485	1.43	143°	0.6080	4.32	216°	0.6055	4.36	289°	0.8455	1.46			
71°	0.8455	1.46	144°	0.6055	4.36	217°	0.6075	4.33	290°	0.8485	1.43			
72°	0.8415	1.50	145°	0.6025	4.40	218°	0.6105	4.29	291°	0.8525	1.39			

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

Azimute selecionado no cardápio de diagramas.



Parâmetros da configuração

HPBW HORIZONTAL

359.00°

GANHO

0.00 dBd

FRENTE/COSTAS

0.00 dB

RIPPLE

0.97 dB

Tabela completa - Azimute



ASCD - slot_eliptica_360 - Azimute

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°	0.9980	0.02	73°	0.8944	0.97	146°	0.9302	0.63	219°	0.9380	0.56	292°	0.9063	0.85
1°	0.9985	0.01	74°	0.8950	0.96	147°	0.9317	0.61	220°	0.9355	0.58	293°	0.9059	0.86
2°	0.9990	0.01	75°	0.8945	0.97	148°	0.9342	0.59	221°	0.9330	0.60	294°	0.9059	0.86
3°	0.9995	0.00	76°	0.8950	0.96	149°	0.9357	0.58	222°	0.9304	0.63	295°	0.9059	0.86
4°	1.0000	-0.00	77°	0.8955	0.96	150°	0.9382	0.55	223°	0.9279	0.65	296°	0.9059	0.86
5°	1.0000	0.00	78°	0.8955	0.96	151°	0.9406	0.53	224°	0.9259	0.67	297°	0.9059	0.86
6°	1.0000	0.00	79°	0.8960	0.95	152°	0.9421	0.52	225°	0.9229	0.70	298°	0.9059	0.86
7°	1.0000	-0.00	80°	0.8965	0.95	153°	0.9446	0.49	226°	0.9204	0.72	299°	0.9059	0.86
8°	1.0000	-0.00	81°	0.8975	0.94	154°	0.9471	0.47	227°	0.9189	0.73	300°	0.9059	0.86
9°	0.9995	0.00	82°	0.8980	0.93	155°	0.9496	0.45	228°	0.9164	0.76	301°	0.9064	0.85
10°	0.9990	0.01	83°	0.8985	0.93	156°	0.9521	0.43	229°	0.9144	0.78	302°	0.9064	0.85
11°	0.9985	0.01	84°	0.8990	0.92	157°	0.9541	0.41	230°	0.9129	0.79	303°	0.9064	0.85
12°	0.9975	0.02	85°	0.8991	0.92	158°	0.9566	0.39	231°	0.9104	0.82	304°	0.9069	0.85
13°	0.9960	0.03	86°	0.8996	0.92	159°	0.9591	0.36	232°	0.9089	0.83	305°	0.9069	0.85
14°	0.9955	0.04	87°	0.9001	0.91	160°	0.9616	0.34	233°	0.9069	0.85	306°	0.9073	0.84
15°	0.9940	0.05	88°	0.9006	0.91	161°	0.9641	0.32	234°	0.9054	0.86	307°	0.9079	0.84
16°	0.9925	0.07	89°	0.9011	0.90	162°	0.9666	0.30	235°	0.9039	0.88	308°	0.9083	0.84
17°	0.9915	0.07	90°	0.9016	0.90	163°	0.9685	0.28	236°	0.9024	0.89	309°	0.9088	0.83
18°	0.9895	0.09	91°	0.9021	0.89	164°	0.9710	0.26	237°	0.9019	0.90	310°	0.9093	0.83
19°	0.9880	0.10	92°	0.9026	0.89	165°	0.9735	0.23	238°	0.9004	0.91	311°	0.9098	0.82
20°	0.9855	0.13	93°	0.9031	0.88	166°	0.9750	0.22	239°	0.8989	0.93	312°	0.9108	0.81
21°	0.9835	0.14	94°	0.9037	0.88	167°	0.9775	0.20	240°	0.8984	0.93	313°	0.9113	0.81
22°	0.9815	0.16	95°	0.9042	0.87	168°	0.9795	0.18	241°	0.8979	0.94	314°	0.9123	0.80
23°	0.9795	0.18	96°	0.9042	0.87	169°	0.9820	0.16	242°	0.8969	0.95	315°	0.9138	0.78
24°	0.9770	0.20	97°	0.9047	0.87	170°	0.9835	0.14	243°	0.8959	0.95	316°	0.9143	0.78
25°	0.9750	0.22	98°	0.9047	0.87	171°	0.9860	0.12	244°	0.8954	0.96	317°	0.9158	0.76
26°	0.9725	0.24	99°	0.9052	0.86	172°	0.9875	0.11	245°	0.8954	0.96	318°	0.9168	0.75
27°	0.9705	0.26	100°	0.9057	0.86	173°	0.9890	0.10	246°	0.8949	0.96	319°	0.9183	0.74
28°	0.9675	0.29	101°	0.9053	0.86	174°	0.9910	0.08	247°	0.8944	0.97	320°	0.9197	0.73
29°	0.9650	0.31	102°	0.9058	0.86	175°	0.9925	0.07	248°	0.8939	0.97	321°	0.9212	0.71
30°	0.9625	0.33	103°	0.9058	0.86	176°	0.9940	0.05	249°	0.8939	0.97	322°	0.9232	0.69
31°	0.9595	0.36	104°	0.9063	0.85	177°	0.9945	0.05	250°	0.8944	0.97	323°	0.9247	0.68
32°	0.9570	0.38	105°	0.9058	0.86	178°	0.9960	0.03	251°	0.8939	0.97	324°	0.9262	0.67
33°	0.9545	0.40	106°	0.9058	0.86	179°	0.9970	0.03	252°	0.8944	0.97	325°	0.9277	0.65
34°	0.9515	0.43	107°	0.9063	0.85	180°	0.9980	0.02	253°	0.8944	0.97	326°	0.9302	0.63
35°	0.9485	0.46	108°	0.9063	0.85	181°	0.9985	0.01	254°	0.8950	0.96	327°	0.9317	0.61
36°	0.9465	0.48	109°	0.9058	0.86	182°	0.9990	0.01	255°	0.8945	0.97	328°	0.9342	0.59
37°	0.9435	0.51	110°	0.9058	0.86	183°	0.9995	0.00	256°	0.8950	0.96	329°	0.9357	0.58
38°	0.9410	0.53	111°	0.9063	0.85	184°	1.0000	-0.00	257°	0.8955	0.96	330°	0.9382	0.55
39°	0.9380	0.56	112°	0.9063	0.85	185°	1.0000	0.00	258°	0.8955	0.96	331°	0.9406	0.53
40°	0.9355	0.58	113°	0.9059	0.86	186°	1.0000	0.00	259°	0.8960	0.95	332°	0.9421	0.52
41°	0.9330	0.60	114°	0.9059	0.86	187°	1.0000	-0.00	260°	0.8965	0.95	333°	0.9446	0.49
42°	0.9304	0.63	115°	0.9059	0.86	188°	1.0000	-0.00	261°	0.8975	0.94	334°	0.9471	0.47
43°	0.9279	0.65	116°	0.9059	0.86	189°	0.9995	0.00	262°	0.8980	0.93	335°	0.9496	0.45
44°	0.9259	0.67	117°	0.9059	0.86	190°	0.9990	0.01	263°	0.8985	0.93	336°	0.9521	0.43
45°	0.9229	0.70	118°	0.9059	0.86	191°	0.9985	0.01	264°	0.8990	0.92	337°	0.9541	0.41
46°	0.9204	0.72	119°	0.9059	0.86	192°	0.9975	0.02	265°	0.8991	0.92	338°	0.9566	0.39
47°	0.9189	0.73	120°	0.9059	0.86	193°	0.9960	0.03	266°	0.8996	0.92	339°	0.9591	0.36
48°	0.9164	0.76	121°	0.9064	0.85	194°	0.9955	0.04	267°	0.9001	0.91	340°	0.9616	0.34
49°	0.9144	0.78	122°	0.9064	0.85	195°	0.9940	0.05	268°	0.9006	0.91	341°	0.9641	0.32
50°	0.9129	0.79	123°	0.9064	0.85	196°	0.9925	0.07	269°	0.9011	0.90	342°	0.9666	0.30
51°	0.9104	0.82	124°	0.9069	0.85	197°	0.9915	0.07	270°	0.9016	0.90	343°	0.9685	0.28
52°	0.9089	0.83	125°	0.9069	0.85	198°	0.9895	0.09	271°	0.9021	0.89	344°	0.9710	0.26
53°	0.9069	0.85	126°	0.9073	0.84	199°	0.9880	0.10	272°	0.9026	0.89	345°	0.9735	0.23
54°	0.9054	0.86	127°	0.9079	0.84	200°	0.9855	0.13	273°	0.9031	0.88	346°	0.9750	0.22
55°	0.9039	0.88	128°	0.9083	0.84	201°	0.9835	0.14	274°	0.9037	0.88	347°	0.9775	0.20
56°	0.9024	0.89	129°	0.9088	0.83	202°	0.9815	0.16	275°	0.9042	0.87	348°	0.9795	0.18
57°	0.9019	0.90	130°	0.9093	0.83	203°	0.9795	0.18	276°	0.9042	0.87	349°	0.9820	0.16
58°	0.9004	0.91	131°	0.9098	0.82	204°	0.9770	0.20	277°	0.9047	0.87	350°	0.9835	0.14
59°	0.8989	0.93	132°	0.9108	0.81	205°	0.9750	0.22	278°	0.9047	0.87	351°	0.9860	0.12
60°	0.8984	0.93	133°	0.9113	0.81	206°	0.9725	0.24	279°	0.9052	0.86	352°	0.9875	0.11
61°	0.8979	0.94	134°	0.9123	0.80	207°	0.9705	0.26	280°	0.9057	0.86	353°	0.9890	0.10
62°	0.8969	0.95	135°	0.9138	0.78	208°	0.9675	0.29	281°	0.9053	0.86	354°	0.9910	0.08
63°	0.8959	0.95	136°	0.9143	0.78	209°	0.9650	0.31	282°	0.9058	0.86	355°	0.9925	0.07
64°	0.8954	0.96	137°	0.9158	0.76	210°	0.9625	0.33	283°	0.9058	0.86	356°	0.9940	0.05
65°	0.8954	0.96	138°	0.9168	0.75	211°	0.9595	0.36	284°	0.9063	0.85	357°	0.9945	0.05
66°	0.8949	0.96	139°	0.9183	0.74	212°	0.9570	0.38	285°	0.9058	0.86	358°	0.9960	0.03
67°	0.8944	0.97	140°	0.9197	0.73	213°	0.9545	0.40	286°	0.9058	0.86	359°	0.9970	0.03
68°	0.8939	0.97	141°	0.9212	0.71	214°	0.9515	0.43	287°	0.9063	0.85	360°	0.9980	0.02
69°	0.8939	0.97	142°	0.9232	0.69	215°	0.9485	0.46	288°	0.9063	0.85			
70°	0.8944	0.97	143°	0.9247	0.68	216°	0.9465	0.48	289°	0.9058	0.86			
71°	0.8939	0.97	144°	0.9262	0.67	217°	0.9435	0.51	290°	0.9058	0.86			
72°	0.8944	0.97	145°	0.9277	0.65	218°	0.9410	0.53	291°	0.9063	0.85			

E/Emax de campo normalizado - atenuação positiva em dB