



ENGENHARIA DE RADIOFREQUÊNCIA

Datasheet Técnico

Antena slot de cavidade VHF ASCDHN

Modelo: ASCDHN

Categoria: TV Digital, UHF e VHF

Fonte: Final

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VALIDAÇÃO ON-LINE

EFTX-DS-TV-DIGITAL-ASCDHN-VHF

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Antena Slot Cavidade VHF

Polarização horizontal | seleção elétrica e diagramas de catálogo



FAMÍLIA ASCDHN

Antena de transmissão broadcast em VHF, polarização horizontal, com configurações de 1, 2 ou 4 fendas e diagramas horizontais de 360°, 260° ou 220°.

Faixa de frequência	174 a 216 MHz (canais 7 a 13)
Largura de banda	6 MHz
Impedância	50 ohms
VSWR	< 1,1:1
Polarização	Horizontal
Montagem	Topo ou lateral

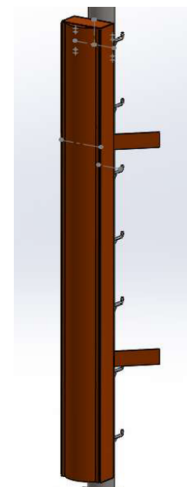


Imagem de referência do produto

Número de fendas x conexão x potência máxima

Conexão	Código	1 fenda	2 fendas	4 fendas
N-Fêmea	NF	0,3 kW	0,3 kW	0,3 kW
EIA 7/8"	E78	2,5 kW	2,5 kW	2,5 kW
EIA 1-5/8"	E158	2,5 kW	5,0 kW	10 kW

Instalação topo ou lateral

A instalação pode ser realizada no topo ou na lateral da torre. Na montagem lateral, o suporte ajustável atende aos canais 7 a 13.

Cada valor da tabela representa uma configuração elétrica válida e independente.

Ganho nominal por configuração

Diagrama	1 fenda	2 fendas	4 fendas
360°	1,6 dBd / 1,45x	4,6 dBd / 2,9x	7,6 dBd / 5,8x
260°	2,2 dBd / 1,65x	5,2 dBd / 3,3x	8,2 dBd / 6,6x
220°	3,1 dBd / 2,0x	6,1 dBd / 4,0x	9,1 dBd / 8,0x

Ângulo de meia potência vertical - HPBW

Nº de fendas	1	2	4
HPBW vertical	50°	27°	13°

Código de produto dedicado

EFTX-ASCDHN-CH##-F##-D###-C###-P#####-M#

Campo	Valor permitido
CH##	CH07 a CH13
F##	F01, F02 ou F04
D###	D360, D260 ou D220
C###	NF, E78 ou E158
P#####	Potência máxima da tabela, em watts
M#	ML – Montagem lateral / MT – Montagem em topo

Instalação e esforços

INSTALAÇÃO

Topo ou lateral

RESISTÊNCIA AO VENTO

180 km/h

PROTEÇÃO ELÉTRICA

Pela estrutura

Características mecânicas

Canal	Nº de fendas	Área exposta (m²)	Carga ao vento (kgf)	Peso (kg)	A (mm)	B (mm)	C (mm)
7 a 13	1	0,59	59	27	1700	1700	-
7 a 13	2	1,17	117	53	3400	1700	100
7 a 13	4	2,35	235	106	6900	3450	100

Definições

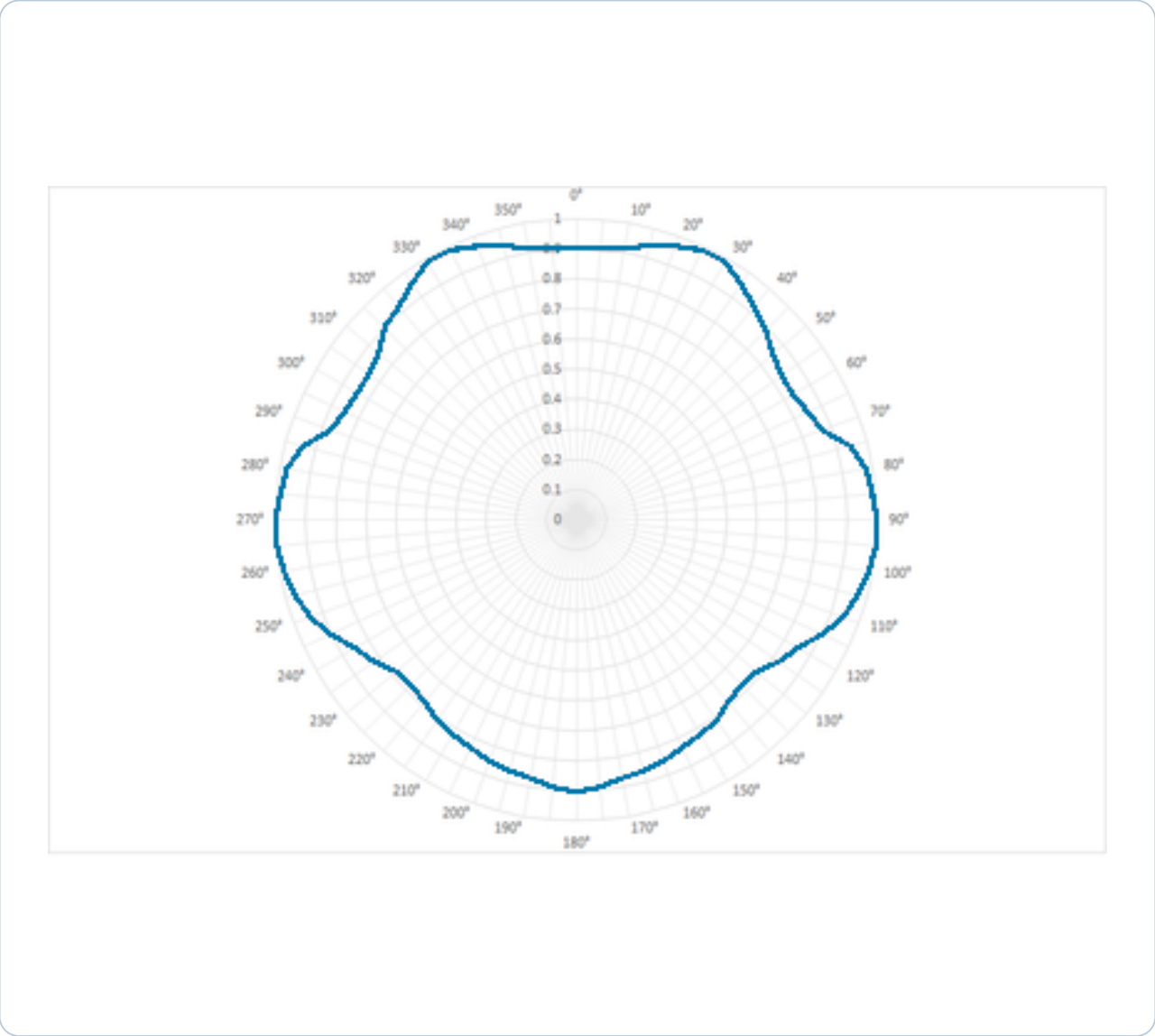
A = Altura total do sistema (mm)
B = Centro de fase do sistema (mm)
C = Espaçamento entre antenas (mm) (casos 4 fendas ou mais)
Área exposta em m²
Carga ao vento em kgf
Peso em kg

Observações

Instalação disponível em topo ou lateral.
Na montagem lateral, utilizar o suporte previsto para a aplicação.
Características referentes à confecção em alumínio.

Diagrama horizontal - 360°

Plano H | curva normalizada E/Emax | ASCDHN



Parâmetros da configuração			
DIAGRAMA	1 FENDA	2 FENDAS	4 FENDAS
360°	1,6 dBd	4,6 dBd	7,6 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Azimute

ASCDHN | 360° | valores do catálogo de referência



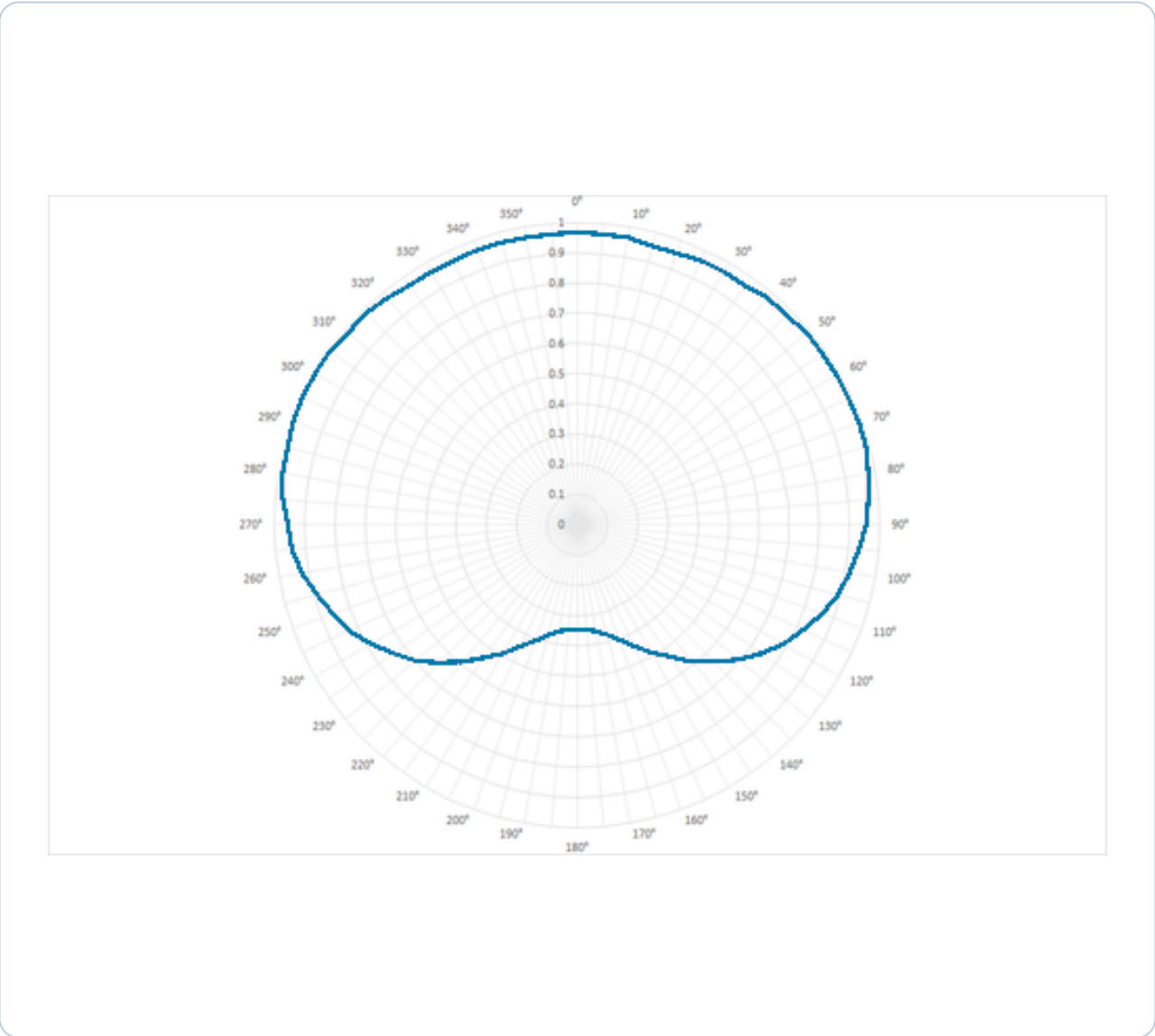
Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
1	-0.90	0.902	61	-1.55	0.837	121	-1.48	0.843	181	-0.93	0.898	241	-1.28	0.863	301	-1.50	0.841
2	-0.90	0.902	62	-1.50	0.841	122	-1.55	0.837	182	-0.95	0.896	242	-1.15	0.876	302	-1.50	0.841
3	-0.90	0.902	63	-1.50	0.841	123	-1.55	0.837	183	-0.95	0.896	243	-1.15	0.876	303	-1.50	0.841
4	-0.90	0.902	64	-1.45	0.846	124	-1.63	0.829	184	-0.98	0.893	244	-1.03	0.888	304	-1.50	0.841
5	-0.90	0.902	65	-1.40	0.851	125	-1.70	0.822	185	-1.00	0.891	245	-0.90	0.902	305	-1.50	0.841
6	-0.88	0.904	66	-1.35	0.856	126	-1.80	0.813	186	-1.05	0.886	246	-0.80	0.912	306	-1.45	0.846
7	-0.85	0.907	67	-1.30	0.861	127	-1.90	0.804	187	-1.10	0.881	247	-0.70	0.923	307	-1.40	0.851
8	-0.85	0.907	68	-1.30	0.861	128	-1.90	0.804	188	-1.10	0.881	248	-0.70	0.923	308	-1.40	0.851
9	-0.83	0.909	69	-1.25	0.866	129	-2.00	0.794	189	-1.15	0.876	249	-0.60	0.933	309	-1.35	0.856
10	-0.80	0.912	70	-1.20	0.871	130	-2.10	0.785	190	-1.20	0.871	250	-0.50	0.944	310	-1.30	0.861
11	-0.73	0.919	71	-1.03	0.888	131	-2.13	0.783	191	-1.23	0.868	251	-0.45	0.950	311	-1.20	0.871
12	-0.65	0.928	72	-0.85	0.907	132	-2.15	0.781	192	-1.25	0.866	252	-0.40	0.955	312	-1.10	0.881
13	-0.65	0.928	73	-0.85	0.907	133	-2.15	0.781	193	-1.25	0.866	253	-0.40	0.955	313	-1.10	0.881
14	-0.58	0.935	74	-0.68	0.925	134	-2.18	0.778	194	-1.28	0.863	254	-0.35	0.961	314	-1.00	0.891
15	-0.50	0.944	75	-0.50	0.944	135	-2.20	0.776	195	-1.30	0.861	255	-0.30	0.966	315	-0.90	0.902
16	-0.45	0.950	76	-0.43	0.952	136	-2.18	0.778	196	-1.33	0.858	256	-0.25	0.972	316	-0.85	0.907
17	-0.40	0.955	77	-0.35	0.961	137	-2.15	0.781	197	-1.35	0.856	257	-0.20	0.977	317	-0.80	0.912
18	-0.40	0.955	78	-0.35	0.961	138	-2.15	0.781	198	-1.35	0.856	258	-0.20	0.977	318	-0.80	0.912
19	-0.35	0.961	79	-0.28	0.968	139	-2.13	0.783	199	-1.38	0.853	259	-0.15	0.983	319	-0.75	0.917
20	-0.30	0.966	80	-0.20	0.977	140	-2.10	0.785	200	-1.40	0.851	260	-0.10	0.989	320	-0.70	0.923
21	-0.25	0.972	81	-0.18	0.979	141	-2.03	0.792	201	-1.45	0.846	261	-0.08	0.991	321	-0.63	0.930
22	-0.20	0.977	82	-0.15	0.983	142	-1.95	0.799	202	-1.50	0.841	262	-0.05	0.994	322	-0.55	0.939
23	-0.20	0.977	83	-0.15	0.983	143	-1.95	0.799	203	-1.50	0.841	263	-0.05	0.994	323	-0.55	0.939
24	-0.15	0.983	84	-0.13	0.985	144	-1.88	0.805	204	-1.55	0.837	264	-0.03	0.997	324	-0.48	0.946
25	-0.10	0.989	85	-0.10	0.989	145	-1.80	0.813	205	-1.60	0.832	265	0.00	1.000	325	-0.40	0.955
26	-0.10	0.989	86	-0.08	0.991	146	-1.78	0.815	206	-1.63	0.829	266	0.00	1.000	326	-0.33	0.963
27	-0.10	0.989	87	-0.05	0.994	147	-1.75	0.818	207	-1.65	0.827	267	0.00	1.000	327	-0.25	0.972
28	-0.10	0.989	88	-0.05	0.994	148	-1.75	0.818	208	-1.65	0.827	268	0.00	1.000	328	-0.25	0.972
29	-0.10	0.989	89	-0.03	0.997	149	-1.73	0.819	209	-1.68	0.824	269	0.00	1.000	329	-0.18	0.979
30	-0.10	0.989	90	0.00	1.000	150	-1.70	0.822	210	-1.70	0.822	270	0.00	1.000	330	-0.10	0.989
31	-0.18	0.979	91	0.00	1.000	151	-1.68	0.824	211	-1.73	0.819	271	-0.03	0.997	331	-0.10	0.989
32	-0.25	0.972	92	0.00	1.000	152	-1.65	0.827	212	-1.75	0.818	272	-0.05	0.994	332	-0.10	0.989
33	-0.25	0.972	93	0.00	1.000	153	-1.65	0.827	213	-1.75	0.818	273	-0.05	0.994	333	-0.10	0.989
34	-0.33	0.963	94	0.00	1.000	154	-1.63	0.829	214	-1.78	0.815	274	-0.08	0.991	334	-0.10	0.989
35	-0.40	0.955	95	0.00	1.000	155	-1.60	0.832	215	-1.80	0.813	275	-0.10	0.989	335	-0.10	0.989
36	-0.48	0.946	96	-0.03	0.997	156	-1.55	0.837	216	-1.88	0.805	276	-0.13	0.985	336	-0.15	0.983
37	-0.55	0.939	97	-0.05	0.994	157	-1.50	0.841	217	-1.95	0.799	277	-0.15	0.983	337	-0.20	0.977
38	-0.55	0.939	98	-0.05	0.994	158	-1.50	0.841	218	-1.95	0.799	278	-0.15	0.983	338	-0.20	0.977
39	-0.63	0.930	99	-0.08	0.991	159	-1.45	0.846	219	-2.03	0.792	279	-0.18	0.979	339	-0.25	0.972
40	-0.70	0.923	100	-0.10	0.989	160	-1.40	0.851	220	-2.10	0.785	280	-0.20	0.977	340	-0.30	0.966
41	-0.78	0.914	101	-0.15	0.983	161	-1.38	0.853	221	-2.13	0.783	281	-0.28	0.968	341	-0.35	0.961
42	-0.85	0.907	102	-0.20	0.977	162	-1.35	0.856	222	-2.15	0.781	282	-0.35	0.961	342	-0.40	0.955
43	-0.85	0.907	103	-0.20	0.977	163	-1.35	0.856	223	-2.15	0.781	283	-0.35	0.961	343	-0.40	0.955
44	-0.93	0.898	104	-0.25	0.972	164	-1.33	0.858	224	-2.18	0.778	284	-0.43	0.952	344	-0.45	0.950
45	-1.00	0.891	105	-0.30	0.966	165	-1.30	0.861	225	-2.20	0.776	285	-0.50	0.944	345	-0.50	0.944
46	-1.10	0.881	106	-0.35	0.961	166	-1.28	0.863	226	-2.18	0.778	286	-0.68	0.925	346	-0.58	0.935
47	-1.20	0.871	107	-0.40	0.955	167	-1.25	0.866	227	-2.15	0.781	287	-0.85	0.907	347	-0.65	0.928
48	-1.20	0.871	108	-0.40	0.955	168	-1.25	0.866	228	-2.15	0.781	288	-0.85	0.907	348	-0.65	0.928
49	-1.30	0.861	109	-0.45	0.950	169	-1.23	0.868	229	-2.13	0.783	289	-1.03	0.888	349	-0.73	0.919
50	-1.40	0.851	110	-0.50	0.944	170	-1.20	0.871	230	-2.10	0.785	290	-1.20	0.871	350	-0.80	0.912
51	-1.45	0.846	111	-0.60	0.933	171	-1.15	0.876	231	-2.00	0.794	291	-1.25	0.866	351	-0.83	0.909
52	-1.50	0.841	112	-0.70	0.923	172	-1.10	0.881	232	-1.90	0.804	292	-1.30	0.861	352	-0.85	0.907
53	-1.50	0.841	113	-0.70	0.923	173	-1.10	0.881	233	-1.90	0.804	293	-1.30	0.861	353	-0.85	0.907
54	-1.55	0.837	114	-0.80	0.912	174	-1.05	0.886	234	-1.80	0.813	294	-1.35	0.856	354	-0.88	0.904
55	-1.60	0.832	115	-0.90	0.902	175	-1.00	0.891	235	-1.70	0.822	295	-1.40	0.851	355	-0.90	0.902
56	-1.60	0.832	116	-1.03	0.888	176	-0.98	0.893	236	-1.63	0.829	296	-1.43	0.848	356	-0.90	0.902
57	-1.60	0.832	117	-1.15	0.876	177	-0.95	0.896	237	-1.55	0.837	297	-1.45	0.846	357	-0.90	0.902
58	-1.60	0.832	118	-1.15	0.876	178	-0.95	0.896	238	-1.55	0.837	298	-1.45	0.846	358	-0.90	0.902
59	-1.60	0.832	119	-1.28	0.863	179	-0.93	0.898	239	-1.48	0.843	299	-1.48	0.843	359	-0.90	0.902
60	-1.60	0.832	120	-1.40	0.851	180	-0.90	0.902	240	-1.40	0.851	300	-1.50	0.841	360	0.00	1.000

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama horizontal - 260°

Plano H | curva normalizada E/Emax | ASCDHN



Parâmetros da configuração			
DIAGRAMA	1 FENDA	2 FENDAS	4 FENDAS
260°	2,2 dBd	5,2 dBd	8,2 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Azimute

ASCDHN | 260° | valores do catálogo de referência



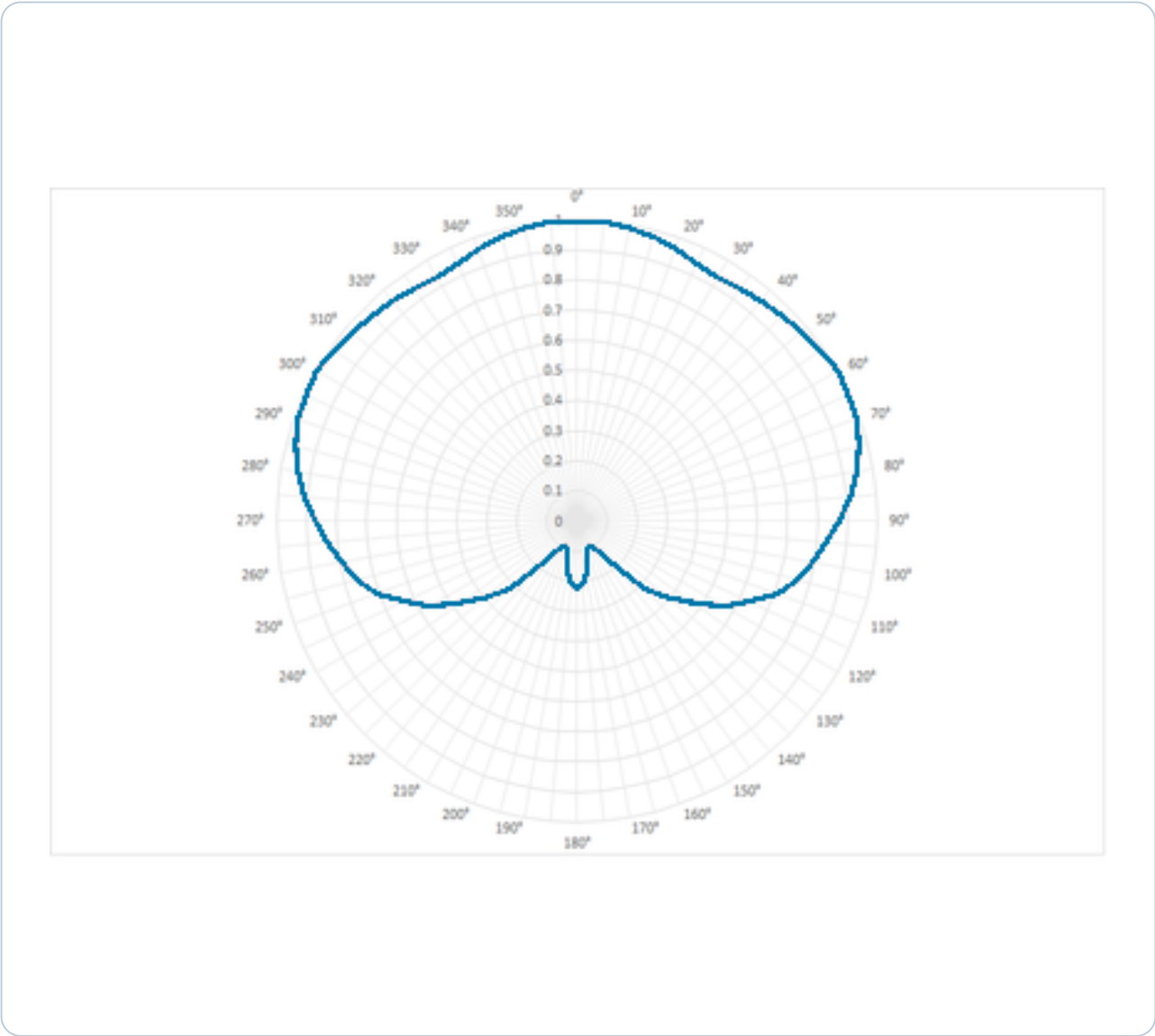
Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
1	-0.30	0.966	61	-0.10	0.989	121	-2.23	0.774	181	-9.20	0.347	241	-1.98	0.796	301	0.00	1.000
2	-0.30	0.966	62	-0.10	0.989	122	-2.35	0.763	182	-9.20	0.347	242	-1.85	0.808	302	0.00	1.000
3	-0.30	0.966	63	-0.10	0.989	123	-2.35	0.763	183	-9.20	0.347	243	-1.85	0.808	303	0.00	1.000
4	-0.30	0.966	64	-0.10	0.989	124	-2.48	0.752	184	-9.20	0.347	244	-1.73	0.819	304	0.00	1.000
5	-0.30	0.966	65	-0.10	0.989	125	-2.60	0.741	185	-9.20	0.347	245	-1.60	0.832	305	0.00	1.000
6	-0.30	0.966	66	-0.10	0.989	126	-2.75	0.729	186	-9.13	0.350	246	-1.53	0.838	306	-0.03	0.997
7	-0.30	0.966	67	-0.10	0.989	127	-2.90	0.716	187	-9.05	0.353	247	-1.45	0.846	307	-0.05	0.994
8	-0.30	0.966	68	-0.10	0.989	128	-2.90	0.716	188	-9.05	0.353	248	-1.45	0.846	308	-0.05	0.994
9	-0.30	0.966	69	-0.10	0.989	129	-3.05	0.704	189	-8.98	0.356	249	-1.38	0.853	309	-0.08	0.991
10	-0.30	0.966	70	-0.10	0.989	130	-3.20	0.692	190	-8.90	0.359	250	-1.30	0.861	310	-0.10	0.989
11	-0.33	0.963	71	-0.10	0.989	131	-3.38	0.678	191	-8.78	0.364	251	-1.23	0.868	311	-0.10	0.989
12	-0.35	0.961	72	-0.10	0.989	132	-3.55	0.665	192	-8.65	0.369	252	-1.15	0.876	312	-0.10	0.989
13	-0.35	0.961	73	-0.10	0.989	133	-3.55	0.665	193	-8.65	0.369	253	-1.15	0.876	313	-0.10	0.989
14	-0.38	0.957	74	-0.10	0.989	134	-3.73	0.651	194	-8.53	0.375	254	-1.08	0.883	314	-0.10	0.989
15	-0.40	0.955	75	-0.10	0.989	135	-3.90	0.638	195	-8.40	0.380	255	-1.00	0.891	315	-0.10	0.989
16	-0.40	0.955	76	-0.13	0.985	136	-4.08	0.625	196	-8.25	0.387	256	-0.93	0.898	316	-0.13	0.985
17	-0.40	0.955	77	-0.15	0.983	137	-4.25	0.613	197	-8.10	0.394	257	-0.85	0.907	317	-0.15	0.983
18	-0.40	0.955	78	-0.15	0.983	138	-4.25	0.613	198	-8.10	0.394	258	-0.85	0.907	318	-0.15	0.983
19	-0.40	0.955	79	-0.18	0.979	139	-4.43	0.600	199	-7.95	0.400	259	-0.78	0.914	319	-0.18	0.979
20	-0.40	0.955	80	-0.20	0.977	140	-4.60	0.589	200	-7.80	0.407	260	-0.70	0.923	320	-0.20	0.977
21	-0.38	0.957	81	-0.23	0.974	141	-4.83	0.573	201	-7.63	0.415	261	-0.65	0.928	321	-0.23	0.974
22	-0.35	0.961	82	-0.25	0.972	142	-5.05	0.559	202	-7.45	0.424	262	-0.60	0.933	322	-0.25	0.972
23	-0.35	0.961	83	-0.25	0.972	143	-5.05	0.559	203	-7.45	0.424	263	-0.60	0.933	323	-0.25	0.972
24	-0.33	0.963	84	-0.28	0.968	144	-5.28	0.545	204	-7.28	0.433	264	-0.55	0.939	324	-0.28	0.968
25	-0.30	0.966	85	-0.30	0.966	145	-5.50	0.531	205	-7.10	0.442	265	-0.50	0.944	325	-0.30	0.966
26	-0.30	0.966	86	-0.33	0.963	146	-5.70	0.519	206	-6.88	0.453	266	-0.48	0.946	326	-0.30	0.966
27	-0.30	0.966	87	-0.35	0.961	147	-5.90	0.507	207	-6.65	0.465	267	-0.45	0.950	327	-0.30	0.966
28	-0.30	0.966	88	-0.35	0.961	148	-5.90	0.507	208	-6.65	0.465	268	-0.45	0.950	328	-0.30	0.966
29	-0.30	0.966	89	-0.38	0.957	149	-6.10	0.495	209	-6.43	0.477	269	-0.43	0.952	329	-0.30	0.966
30	-0.30	0.966	90	-0.40	0.955	150	-6.30	0.484	210	-6.20	0.490	270	-0.40	0.955	330	-0.30	0.966
31	-0.30	0.966	91	-0.45	0.950	151	-6.50	0.473	211	-6.00	0.501	271	-0.35	0.961	331	-0.30	0.966
32	-0.30	0.966	92	-0.50	0.944	152	-6.70	0.462	212	-5.80	0.513	272	-0.30	0.966	332	-0.30	0.966
33	-0.30	0.966	93	-0.50	0.944	153	-6.70	0.462	213	-5.80	0.513	273	-0.30	0.966	333	-0.30	0.966
34	-0.30	0.966	94	-0.55	0.939	154	-6.90	0.452	214	-5.60	0.525	274	-0.25	0.972	334	-0.30	0.966
35	-0.30	0.966	95	-0.60	0.933	155	-7.10	0.442	215	-5.40	0.537	275	-0.20	0.977	335	-0.30	0.966
36	-0.28	0.968	96	-0.65	0.928	156	-7.30	0.432	216	-5.20	0.550	276	-0.18	0.979	336	-0.30	0.966
37	-0.25	0.972	97	-0.70	0.923	157	-7.50	0.422	217	-5.00	0.562	277	-0.15	0.983	337	-0.30	0.966
38	-0.25	0.972	98	-0.70	0.923	158	-7.50	0.422	218	-5.00	0.562	278	-0.15	0.983	338	-0.30	0.966
39	-0.23	0.974	99	-0.75	0.917	159	-7.70	0.412	219	-4.80	0.575	279	-0.13	0.985	339	-0.30	0.966
40	-0.20	0.977	100	-0.80	0.912	160	-7.90	0.403	220	-4.60	0.589	280	-0.10	0.989	340	-0.30	0.966
41	-0.20	0.977	101	-0.85	0.907	161	-8.05	0.396	221	-4.40	0.603	281	-0.10	0.989	341	-0.30	0.966
42	-0.20	0.977	102	-0.90	0.902	162	-8.20	0.389	222	-4.20	0.617	282	-0.10	0.989	342	-0.30	0.966
43	-0.20	0.977	103	-0.90	0.902	163	-8.20	0.389	223	-4.20	0.617	283	-0.10	0.989	343	-0.30	0.966
44	-0.20	0.977	104	-0.95	0.896	164	-8.35	0.382	224	-4.00	0.631	284	-0.10	0.989	344	-0.30	0.966
45	-0.20	0.977	105	-1.00	0.891	165	-8.50	0.376	225	-3.80	0.646	285	-0.10	0.989	345	-0.30	0.966
46	-0.18	0.979	106	-1.08	0.883	166	-8.60	0.372	226	-3.63	0.658	286	-0.08	0.991	346	-0.30	0.966
47	-0.15	0.983	107	-1.15	0.876	167	-8.70	0.367	227	-3.45	0.672	287	-0.05	0.994	347	-0.30	0.966
48	-0.15	0.983	108	-1.15	0.876	168	-8.70	0.367	228	-3.45	0.672	288	-0.05	0.994	348	-0.30	0.966
49	-0.13	0.985	109	-1.23	0.868	169	-8.80	0.363	229	-3.28	0.685	289	-0.03	0.997	349	-0.30	0.966
50	-0.10	0.989	110	-1.30	0.861	170	-8.90	0.359	230	-3.10	0.700	290	0.00	1.000	350	-0.30	0.966
51	-0.10	0.989	111	-1.40	0.851	171	-8.98	0.356	231	-2.98	0.710	291	0.00	1.000	351	-0.30	0.966
52	-0.10	0.989	112	-1.50	0.841	172	-9.05	0.353	232	-2.85	0.720	292	0.00	1.000	352	-0.30	0.966
53	-0.10	0.989	113	-1.50	0.841	173	-9.05	0.353	233	-2.85	0.720	293	0.00	1.000	353	-0.30	0.966
54	-0.10	0.989	114	-1.60	0.832	174	-9.13	0.350	234	-2.73	0.730	294	0.00	1.000	354	-0.30	0.966
55	-0.10	0.989	115	-1.70	0.822	175	-9.20	0.347	235	-2.60	0.741	295	0.00	1.000	355	-0.30	0.966
56	-0.10	0.989	116	-1.80	0.813	176	-9.20	0.347	236	-2.48	0.752	296	0.00	1.000	356	-0.30	0.966
57	-0.10	0.989	117	-1.90	0.804	177	-9.20	0.347	237	-2.35	0.763	297	0.00	1.000	357	-0.30	0.966
58	-0.10	0.989	118	-1.90	0.804	178	-9.20	0.347	238	-2.35	0.763	298	0.00	1.000	358	-0.30	0.966
59	-0.10	0.989	119	-2.00	0.794	179	-9.20	0.347	239	-2.23	0.774	299	0.00	1.000	359	-0.30	0.966
60	-0.10	0.989	120	-2.10	0.785	180	-9.20	0.347	240	-2.10	0.785	300	0.00	1.000	360	-0.30	0.966

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama horizontal - 220°

Plano H | curva normalizada E/E_{max} | ASCDHN



Parâmetros da configuração			
DIAGRAMA	1 FENDA	2 FENDAS	4 FENDAS
220°	3,1 dBd	6,1 dBd	9,1 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Azimute

ASCDHN | 220° | valores do catálogo de referência



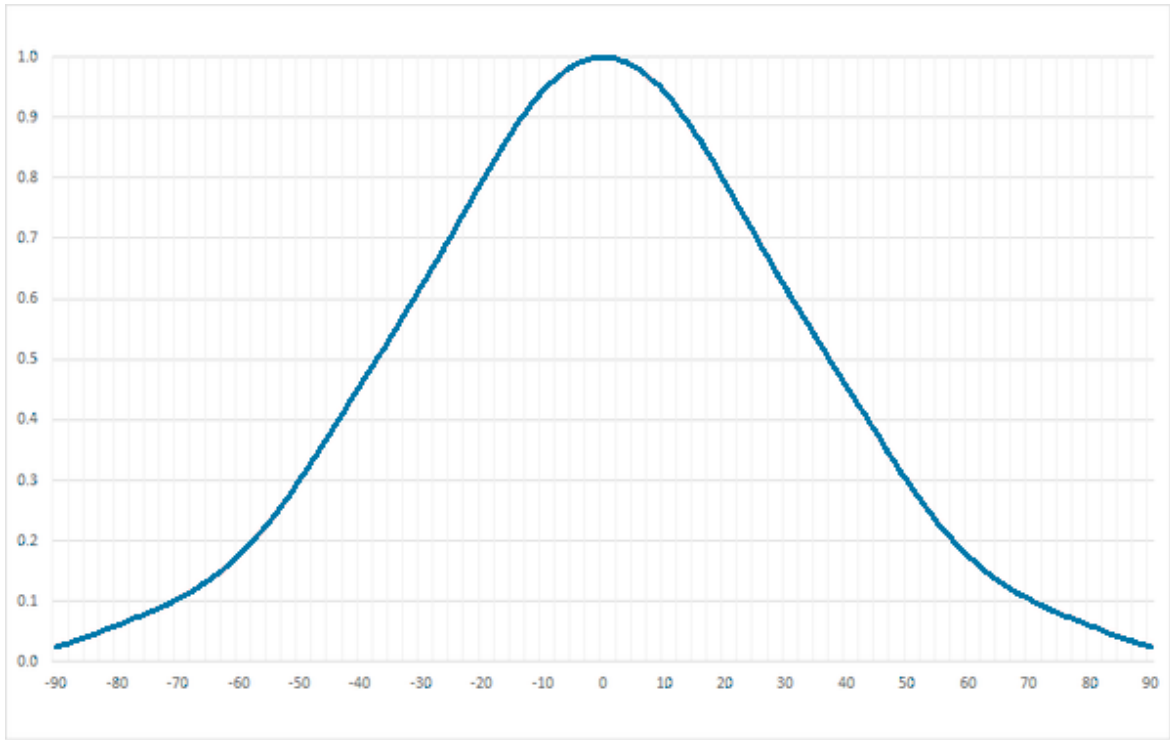
Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
1	0.00	1.000	61	-0.01	0.999	121	-5.38	0.538	181	-13.13	0.221	241	-4.75	0.579	301	-0.03	0.997
2	0.00	1.000	62	-0.03	0.997	122	-5.75	0.516	182	-13.25	0.218	242	-4.50	0.596	302	-0.05	0.994
3	0.00	1.000	63	-0.03	0.997	123	-5.75	0.516	183	-13.25	0.218	243	-4.50	0.596	303	-0.05	0.994
4	0.00	1.000	64	-0.04	0.995	124	-6.13	0.494	184	-13.38	0.214	244	-4.25	0.613	304	-0.08	0.991
5	0.00	1.000	65	-0.05	0.994	125	-6.50	0.473	185	-13.50	0.211	245	-4.00	0.631	305	-0.10	0.989
6	-0.03	0.997	66	-0.06	0.993	126	-6.88	0.453	186	-13.88	0.202	246	-3.75	0.649	306	-0.13	0.985
7	-0.05	0.994	67	-0.08	0.991	127	-7.25	0.434	187	-14.25	0.194	247	-3.50	0.668	307	-0.15	0.983
8	-0.05	0.994	68	-0.08	0.991	128	-7.25	0.434	188	-14.25	0.194	248	-3.50	0.668	308	-0.15	0.983
9	-0.08	0.991	69	-0.09	0.990	129	-7.63	0.415	189	-14.63	0.186	249	-3.25	0.688	309	-0.18	0.979
10	-0.10	0.989	70	-0.10	0.989	130	-8.00	0.398	190	-15.00	0.178	250	-3.00	0.708	310	-0.20	0.977
11	-0.13	0.985	71	-0.14	0.984	131	-8.50	0.376	191	-15.75	0.163	251	-2.85	0.720	311	-0.23	0.974
12	-0.15	0.983	72	-0.18	0.979	132	-9.00	0.355	192	-16.50	0.150	252	-2.70	0.733	312	-0.25	0.972
13	-0.15	0.983	73	-0.18	0.979	133	-9.00	0.355	193	-16.50	0.150	253	-2.70	0.733	313	-0.25	0.972
14	-0.18	0.979	74	-0.21	0.976	134	-9.50	0.335	194	-17.25	0.137	254	-2.55	0.746	314	-0.28	0.968
15	-0.20	0.977	75	-0.25	0.972	135	-10.00	0.316	195	-18.00	0.126	255	-2.40	0.759	315	-0.30	0.966
16	-0.24	0.973	76	-0.31	0.965	136	-11.00	0.282	196	-18.50	0.119	256	-2.30	0.767	316	-0.33	0.963
17	-0.28	0.968	77	-0.38	0.957	137	-12.00	0.251	197	-19.00	0.112	257	-2.20	0.776	317	-0.35	0.961
18	-0.28	0.968	78	-0.38	0.957	138	-12.00	0.251	198	-19.00	0.112	258	-2.20	0.776	318	-0.35	0.961
19	-0.31	0.965	79	-0.44	0.951	139	-13.00	0.224	199	-19.50	0.106	259	-2.10	0.785	319	-0.38	0.957
20	-0.35	0.961	80	-0.50	0.944	140	-14.00	0.200	200	-20.00	0.100	260	-2.00	0.794	320	-0.40	0.955
21	-0.39	0.956	81	-0.58	0.935	141	-15.00	0.178	201	-20.25	0.097	261	-1.90	0.804	321	-0.43	0.952
22	-0.43	0.952	82	-0.65	0.928	142	-16.00	0.158	202	-20.50	0.094	262	-1.80	0.813	322	-0.45	0.950
23	-0.43	0.952	83	-0.65	0.928	143	-16.00	0.158	203	-20.50	0.094	263	-1.80	0.813	323	-0.45	0.950
24	-0.46	0.948	84	-0.73	0.919	144	-17.00	0.141	204	-20.75	0.092	264	-1.70	0.822	324	-0.48	0.946
25	-0.50	0.944	85	-0.80	0.912	145	-18.00	0.126	205	-21.00	0.089	265	-1.60	0.832	325	-0.50	0.944
26	-0.53	0.941	86	-0.90	0.902	146	-18.50	0.119	206	-20.75	0.092	266	-1.50	0.841	326	-0.53	0.941
27	-0.55	0.939	87	-1.00	0.891	147	-19.00	0.112	207	-20.50	0.094	267	-1.40	0.851	327	-0.55	0.939
28	-0.55	0.939	88	-1.00	0.891	148	-19.00	0.112	208	-20.50	0.094	268	-1.40	0.851	328	-0.55	0.939
29	-0.58	0.935	89	-1.10	0.881	149	-19.50	0.106	209	-20.25	0.097	269	-1.30	0.861	329	-0.58	0.935
30	-0.60	0.933	90	-1.20	0.871	150	-20.00	0.100	210	-20.00	0.100	270	-1.20	0.871	330	-0.60	0.933
31	-0.58	0.935	91	-1.30	0.861	151	-20.25	0.097	211	-19.50	0.106	271	-1.10	0.881	331	-0.58	0.935
32	-0.55	0.939	92	-1.40	0.851	152	-20.50	0.094	212	-19.00	0.112	272	-1.00	0.891	332	-0.55	0.939
33	-0.55	0.939	93	-1.40	0.851	153	-20.50	0.094	213	-19.00	0.112	273	-1.00	0.891	333	-0.55	0.939
34	-0.53	0.941	94	-1.50	0.841	154	-20.75	0.092	214	-18.50	0.119	274	-0.90	0.902	334	-0.53	0.941
35	-0.50	0.944	95	-1.60	0.832	155	-21.00	0.089	215	-18.00	0.126	275	-0.80	0.912	335	-0.50	0.944
36	-0.48	0.946	96	-1.70	0.822	156	-20.75	0.092	216	-17.00	0.141	276	-0.73	0.919	336	-0.46	0.948
37	-0.45	0.950	97	-1.80	0.813	157	-20.50	0.094	217	-16.00	0.158	277	-0.65	0.928	337	-0.43	0.952
38	-0.45	0.950	98	-1.80	0.813	158	-20.50	0.094	218	-16.00	0.158	278	-0.65	0.928	338	-0.43	0.952
39	-0.43	0.952	99	-1.90	0.804	159	-20.25	0.097	219	-15.00	0.178	279	-0.58	0.935	339	-0.39	0.956
40	-0.40	0.955	100	-2.00	0.794	160	-20.00	0.100	220	-14.00	0.200	280	-0.50	0.944	340	-0.35	0.961
41	-0.38	0.957	101	-2.10	0.785	161	-19.50	0.106	221	-13.00	0.224	281	-0.44	0.951	341	-0.31	0.965
42	-0.35	0.961	102	-2.20	0.776	162	-19.00	0.112	222	-12.00	0.251	282	-0.38	0.957	342	-0.28	0.968
43	-0.35	0.961	103	-2.20	0.776	163	-19.00	0.112	223	-12.00	0.251	283	-0.38	0.957	343	-0.28	0.968
44	-0.33	0.963	104	-2.30	0.767	164	-18.50	0.119	224	-11.00	0.282	284	-0.31	0.965	344	-0.24	0.973
45	-0.30	0.966	105	-2.40	0.759	165	-18.00	0.126	225	-10.00	0.316	285	-0.25	0.972	345	-0.20	0.977
46	-0.28	0.968	106	-2.55	0.746	166	-17.25	0.137	226	-9.50	0.335	286	-0.21	0.976	346	-0.18	0.979
47	-0.25	0.972	107	-2.70	0.733	167	-16.50	0.150	227	-9.00	0.355	287	-0.18	0.979	347	-0.15	0.983
48	-0.25	0.972	108	-2.70	0.733	168	-16.50	0.150	228	-9.00	0.355	288	-0.18	0.979	348	-0.15	0.983
49	-0.23	0.974	109	-2.85	0.720	169	-15.75	0.163	229	-8.50	0.376	289	-0.14	0.984	349	-0.13	0.985
50	-0.20	0.977	110	-3.00	0.708	170	-15.00	0.178	230	-8.00	0.398	290	-0.10	0.989	350	-0.10	0.989
51	-0.18	0.979	111	-3.25	0.688	171	-14.63	0.186	231	-7.63	0.415	291	-0.09	0.990	351	-0.08	0.991
52	-0.15	0.983	112	-3.50	0.668	172	-14.25	0.194	232	-7.25	0.434	292	-0.08	0.991	352	-0.05	0.994
53	-0.15	0.983	113	-3.50	0.668	173	-14.25	0.194	233	-7.25	0.434	293	-0.08	0.991	353	-0.05	0.994
54	-0.13	0.985	114	-3.75	0.649	174	-13.88	0.202	234	-6.88	0.453	294	-0.06	0.993	354	-0.03	0.997
55	-0.10	0.989	115	-4.00	0.631	175	-13.50	0.211	235	-6.50	0.473	295	-0.05	0.994	355	0.00	1.000
56	-0.08	0.991	116	-4.25	0.613	176	-13.38	0.214	236	-6.13	0.494	296	-0.04	0.995	356	0.00	1.000
57	-0.05	0.994	117	-4.50	0.596	177	-13.25	0.218	237	-5.75	0.516	297	-0.03	0.997	357	0.00	1.000
58	-0.05	0.994	118	-4.50	0.596	178	-13.25	0.218	238	-5.75	0.516	298	-0.03	0.997	358	0.00	1.000
59	-0.03	0.997	119	-4.75	0.579	179	-13.13	0.221	239	-5.38	0.538	299	-0.01	0.999	359	0.00	1.000
60	0.00	1.000	120	-5.00	0.562	180	-13.00	0.224	240	-5.00	0.562	300	0.00	1.000	360	0.00	1.000

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama vertical - 1 fenda

Plano V | curva normalizada E/Emax | ASCDHN



Parâmetros da configuração

FENDAS	HPBW VERTICAL	GANHO 360°	GANHO 260°	GANHO 220°
1	50°	1,6 dBd	2,2 dBd	3,1 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Elevação

ASCDHN | 1 fenda | valores do catálogo de referência



Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
-90	-31.67	0.026	-60	-15.14	0.175	-30	-4.17	0.619	0	0.00	1.000	30	-4.17	0.619	60	-15.14	0.175
-89	-30.97	0.028	-59	-14.66	0.185	-29	-3.94	0.635	1	-0.01	0.999	31	-4.41	0.602	61	-15.61	0.166
-88	-30.17	0.031	-58	-14.19	0.195	-28	-3.71	0.652	2	-0.02	0.998	32	-4.65	0.585	62	-16.08	0.157
-87	-29.33	0.034	-57	-13.71	0.206	-27	-3.48	0.670	3	-0.05	0.994	33	-4.90	0.569	63	-16.55	0.149
-86	-28.50	0.038	-56	-13.23	0.218	-26	-3.26	0.687	4	-0.08	0.991	34	-5.15	0.553	64	-17.00	0.141
-85	-27.71	0.041	-55	-12.75	0.230	-25	-3.04	0.705	5	-0.13	0.985	35	-5.41	0.536	65	-17.46	0.134
-84	-26.96	0.045	-54	-12.28	0.243	-24	-2.82	0.723	6	-0.18	0.979	36	-5.67	0.521	66	-17.90	0.127
-83	-26.25	0.049	-53	-11.82	0.256	-23	-2.61	0.740	7	-0.25	0.972	37	-5.94	0.505	67	-18.34	0.121
-82	-25.59	0.053	-52	-11.36	0.270	-22	-2.40	0.759	8	-0.33	0.963	38	-6.22	0.489	68	-18.78	0.115
-81	-24.96	0.056	-51	-10.91	0.285	-21	-2.20	0.776	9	-0.41	0.954	39	-6.51	0.473	69	-19.21	0.110
-80	-24.38	0.060	-50	-10.48	0.299	-20	-2.01	0.793	10	-0.51	0.943	40	-6.81	0.457	70	-19.65	0.104
-79	-23.83	0.064	-49	-10.05	0.314	-19	-1.82	0.811	11	-0.62	0.931	41	-7.12	0.441	71	-20.08	0.099
-78	-23.30	0.068	-48	-9.64	0.330	-18	-1.64	0.828	12	-0.74	0.918	42	-7.44	0.425	72	-20.51	0.094
-77	-22.80	0.072	-47	-9.24	0.345	-17	-1.47	0.844	13	-0.86	0.906	43	-7.77	0.409	73	-20.95	0.090
-76	-22.31	0.077	-46	-8.85	0.361	-16	-1.30	0.861	14	-1.00	0.891	44	-8.12	0.393	74	-21.39	0.085
-75	-21.85	0.081	-45	-8.48	0.377	-15	-1.15	0.876	15	-1.15	0.876	45	-8.48	0.377	75	-21.85	0.081
-74	-21.39	0.085	-44	-8.12	0.393	-14	-1.00	0.891	16	-1.30	0.861	46	-8.85	0.361	76	-22.31	0.077
-73	-20.95	0.090	-43	-7.77	0.409	-13	-0.86	0.906	17	-1.47	0.844	47	-9.24	0.345	77	-22.80	0.072
-72	-20.51	0.094	-42	-7.44	0.425	-12	-0.74	0.918	18	-1.64	0.828	48	-9.64	0.330	78	-23.30	0.068
-71	-20.08	0.099	-41	-7.12	0.441	-11	-0.62	0.931	19	-1.82	0.811	49	-10.05	0.314	79	-23.83	0.064
-70	-19.65	0.104	-40	-6.81	0.457	-10	-0.51	0.943	20	-2.01	0.793	50	-10.48	0.299	80	-24.38	0.060
-69	-19.21	0.110	-39	-6.51	0.473	-9	-0.41	0.954	21	-2.20	0.776	51	-10.91	0.285	81	-24.96	0.056
-68	-18.78	0.115	-38	-6.22	0.489	-8	-0.33	0.963	22	-2.40	0.759	52	-11.36	0.270	82	-25.59	0.053
-67	-18.34	0.121	-37	-5.94	0.505	-7	-0.25	0.972	23	-2.61	0.740	53	-11.82	0.256	83	-26.25	0.049
-66	-17.90	0.127	-36	-5.67	0.521	-6	-0.18	0.979	24	-2.82	0.723	54	-12.28	0.243	84	-26.96	0.045
-65	-17.46	0.134	-35	-5.41	0.536	-5	-0.13	0.985	25	-3.04	0.705	55	-12.75	0.230	85	-27.71	0.041
-64	-17.00	0.141	-34	-5.15	0.553	-4	-0.08	0.991	26	-3.26	0.687	56	-13.23	0.218	86	-28.50	0.038
-63	-16.55	0.149	-33	-4.90	0.569	-3	-0.05	0.994	27	-3.48	0.670	57	-13.71	0.206	87	-29.33	0.034
-62	-16.08	0.157	-32	-4.65	0.585	-2	-0.02	0.998	28	-3.71	0.652	58	-14.19	0.195	88	-30.17	0.031
-61	-15.61	0.166	-31	-4.41	0.602	-1	-0.01	0.999	29	-3.94	0.635	59	-14.66	0.185	89	-30.97	0.028

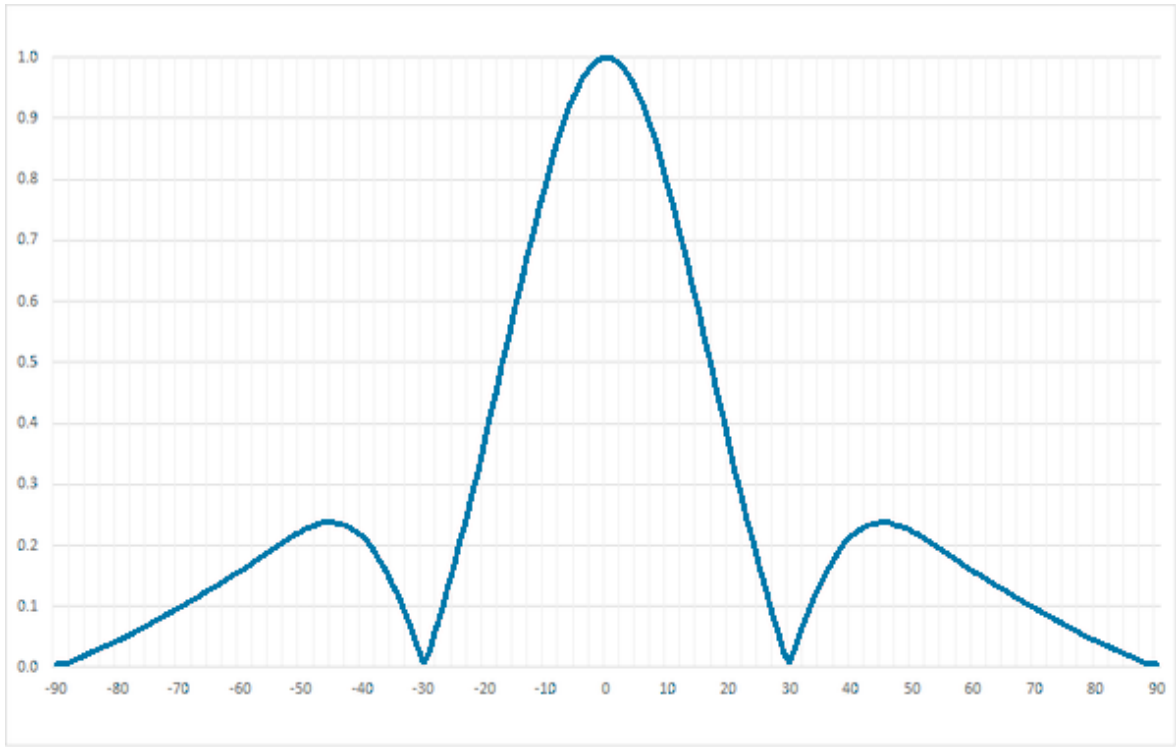
Precisão e leitura

A tabela apresenta o ângulo correspondente, a atenuação em dB na precisão original do catálogo e E/Emax com três casas decimais. A curva e a tabela usam a mesma sequência angular.

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama vertical - 2 fendas

Plano V | curva normalizada E/E_{max} | ASCDHN



Parâmetros da configuração

FENDAS	HPBW VERTICAL	GANHO 360°	GANHO 260°	GANHO 220°
2	27°	4,6 dBd	5,2 dBd	6,1 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Elevação

ASCDHN | 2 fendas | valores do catálogo de referência



Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
-90	-46.65	0.005	-60	-16.03	0.158	-30	-41.01	0.009	0	0.00	1.000	30	-41.01	0.009	60	-16.03	0.158
-89	-45.60	0.005	-59	-15.67	0.165	-29	-32.13	0.025	1	-0.02	0.998	31	-28.53	0.037	61	-16.39	0.152
-88	-41.57	0.008	-58	-15.33	0.171	-28	-24.81	0.057	2	-0.08	0.991	32	-23.69	0.065	62	-16.76	0.145
-87	-38.27	0.012	-57	-14.99	0.178	-27	-20.73	0.092	3	-0.18	0.979	33	-20.77	0.092	63	-17.15	0.139
-86	-35.75	0.016	-56	-14.66	0.185	-26	-17.87	0.128	4	-0.32	0.964	34	-18.74	0.116	64	-17.54	0.133
-85	-33.73	0.021	-55	-14.35	0.192	-25	-15.65	0.165	5	-0.50	0.944	35	-17.22	0.138	65	-17.95	0.127
-84	-32.05	0.025	-54	-14.05	0.198	-24	-13.83	0.203	6	-0.72	0.920	36	-16.05	0.158	66	-18.37	0.121
-83	-30.61	0.029	-53	-13.76	0.205	-23	-12.29	0.243	7	-0.98	0.893	37	-15.12	0.175	67	-18.81	0.115
-82	-29.35	0.034	-52	-13.49	0.212	-22	-10.95	0.283	8	-1.29	0.862	38	-14.39	0.191	68	-19.26	0.109
-81	-28.22	0.039	-51	-13.24	0.218	-21	-9.76	0.325	9	-1.63	0.829	39	-13.81	0.204	69	-19.74	0.103
-80	-27.21	0.044	-50	-13.02	0.223	-20	-8.70	0.367	10	-2.02	0.793	40	-13.36	0.215	70	-20.24	0.097
-79	-26.27	0.049	-49	-12.83	0.228	-19	-7.74	0.410	11	-2.45	0.754	41	-13.02	0.223	71	-20.78	0.091
-78	-25.41	0.054	-48	-12.68	0.232	-18	-6.86	0.454	12	-2.93	0.714	42	-12.77	0.230	72	-21.32	0.086
-77	-24.62	0.059	-47	-12.56	0.236	-17	-6.06	0.498	13	-3.45	0.672	43	-12.60	0.234	73	-21.90	0.080
-76	-23.87	0.064	-46	-12.49	0.237	-16	-5.32	0.542	14	-4.02	0.630	44	-12.50	0.237	74	-22.52	0.075
-75	-23.17	0.069	-45	-12.46	0.238	-15	-4.64	0.586	15	-4.64	0.586	45	-12.46	0.238	75	-23.17	0.069
-74	-22.52	0.075	-44	-12.50	0.237	-14	-4.02	0.630	16	-5.32	0.542	46	-12.49	0.237	76	-23.87	0.064
-73	-21.90	0.080	-43	-12.60	0.234	-13	-3.45	0.672	17	-6.06	0.498	47	-12.58	0.235	77	-24.62	0.059
-72	-21.32	0.086	-42	-12.77	0.230	-12	-2.93	0.714	18	-6.86	0.454	48	-12.68	0.232	78	-25.41	0.054
-71	-20.76	0.092	-41	-13.02	0.223	-11	-2.45	0.754	19	-7.74	0.410	49	-12.83	0.228	79	-26.27	0.049
-70	-20.24	0.097	-40	-13.36	0.215	-10	-2.02	0.793	20	-8.70	0.367	50	-13.02	0.223	80	-27.21	0.044
-69	-19.74	0.103	-39	-13.81	0.204	-9	-1.63	0.829	21	-9.76	0.325	51	-13.24	0.218	81	-28.22	0.039
-68	-19.26	0.109	-38	-14.39	0.191	-8	-1.29	0.862	22	-10.95	0.283	52	-13.49	0.212	82	-29.35	0.034
-67	-18.81	0.115	-37	-15.12	0.175	-7	-0.98	0.893	23	-12.29	0.243	53	-13.78	0.205	83	-30.61	0.029
-66	-18.37	0.121	-36	-16.05	0.158	-6	-0.72	0.920	24	-13.83	0.203	54	-14.05	0.198	84	-32.05	0.025
-65	-17.95	0.127	-35	-17.22	0.138	-5	-0.50	0.944	25	-15.65	0.165	55	-14.35	0.192	85	-33.73	0.021
-64	-17.54	0.133	-34	-18.74	0.116	-4	-0.32	0.964	26	-17.87	0.128	56	-14.68	0.185	86	-35.75	0.016
-63	-17.15	0.139	-33	-20.77	0.092	-3	-0.18	0.979	27	-20.73	0.092	57	-14.99	0.178	87	-38.27	0.012
-62	-16.76	0.145	-32	-23.69	0.065	-2	-0.08	0.991	28	-24.81	0.057	58	-15.33	0.171	88	-41.57	0.008
-61	-16.39	0.152	-31	-28.53	0.037	-1	-0.02	0.998	29	-32.13	0.025	59	-15.67	0.165	89	-45.80	0.005

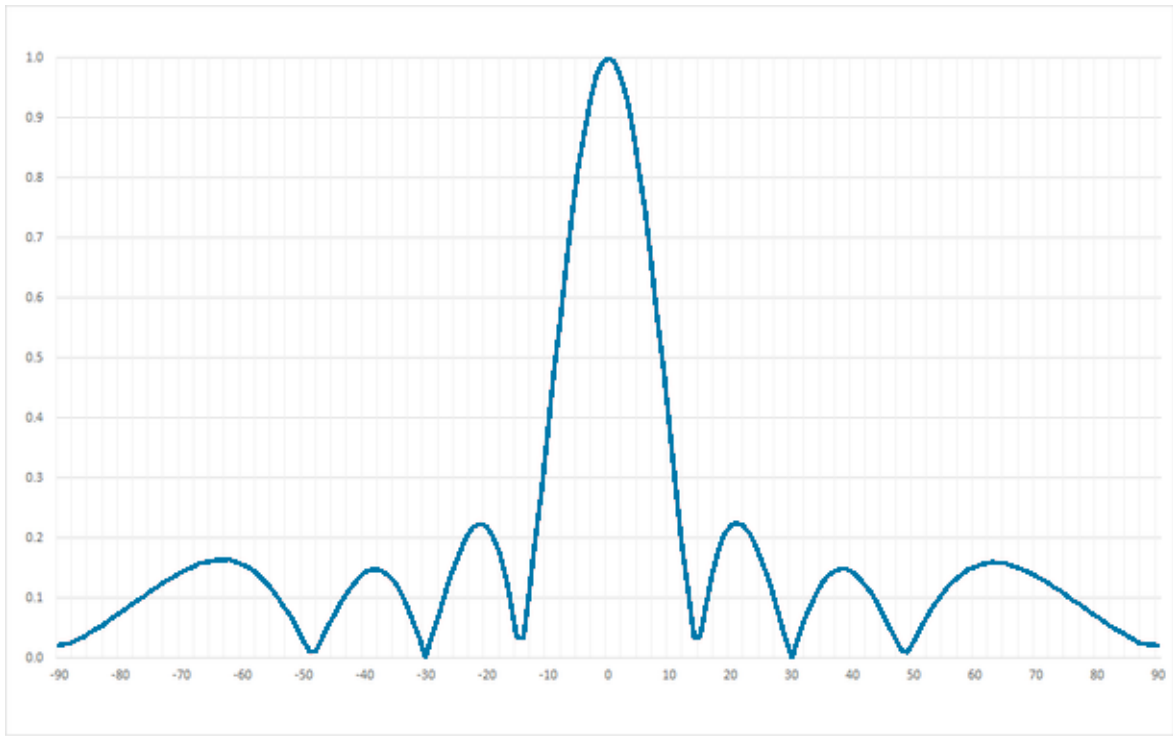
Precisão e leitura

A tabela apresenta o ângulo correspondente, a atenuação em dB na precisão original do catálogo e E/Emax com três casas decimais. A curva e a tabela usam a mesma sequência angular.

Dados reproduzidos sem suavização, interpolação ou criação de pontos intermediários.

Diagrama vertical - 4 fendas

Plano V | curva normalizada E/E_{max} | ASCDHN



Parâmetros da configuração

FENDAS	HPBW VERTICAL	GANHO 360°	GANHO 260°	GANHO 220°
4	13°	7,6 dBd	8,2 dBd	9,1 dBd

Curva normalizada. A tabela da página seguinte contém os valores angulares correspondentes.

Tabela completa - Elevação

ASCDHN | 4 fendas | valores do catálogo de referência



Ângulo, dB e E/Emax

Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax	Graus	dB	E/Emax
-90	-33.35	0.022	-60	-16.12	0.156	-30	-62.57	0.001	0	0.00	1.000	30	-62.49	0.001	60	-16.32	0.153
-89	-32.93	0.023	-59	-16.43	0.151	-29	-29.75	0.033	1	-0.07	0.992	31	-29.78	0.032	61	-16.12	0.156
-88	-31.81	0.026	-58	-16.85	0.144	-28	-23.52	0.067	2	-0.27	0.969	32	-24.24	0.061	62	-16.01	0.158
-87	-30.40	0.030	-57	-17.40	0.135	-27	-19.96	0.100	3	-0.62	0.931	33	-21.23	0.087	63	-15.97	0.159
-86	-28.97	0.036	-56	-18.10	0.124	-26	-17.54	0.133	4	-1.12	0.879	34	-19.32	0.108	64	-15.99	0.159
-85	-27.62	0.042	-55	-18.99	0.112	-25	-15.80	0.162	5	-1.79	0.814	35	-18.05	0.125	65	-16.08	0.157
-84	-26.38	0.048	-54	-20.12	0.099	-24	-14.55	0.187	6	-2.63	0.739	36	-17.23	0.138	66	-16.22	0.155
-83	-25.26	0.055	-53	-21.59	0.083	-23	-13.69	0.207	7	-3.67	0.655	37	-16.76	0.145	67	-16.42	0.151
-82	-24.23	0.061	-52	-23.55	0.066	-22	-13.19	0.219	8	-4.94	0.566	38	-16.57	0.148	68	-16.66	0.147
-81	-23.30	0.068	-51	-26.31	0.048	-21	-13.02	0.223	9	-6.51	0.473	39	-16.63	0.147	69	-16.96	0.142
-80	-22.45	0.075	-50	-30.69	0.029	-20	-13.21	0.219	10	-8.45	0.378	40	-16.94	0.142	70	-17.30	0.136
-79	-21.66	0.083	-49	-40.67	0.009	-19	-13.83	0.203	11	-10.91	0.285	41	-17.49	0.134	71	-17.68	0.131
-78	-20.94	0.090	-48	-39.02	0.011	-18	-15.01	0.178	12	-14.20	0.195	42	-18.31	0.121	72	-18.11	0.124
-77	-20.27	0.097	-47	-29.96	0.032	-17	-17.02	0.141	13	-19.14	0.110	43	-19.42	0.107	73	-18.58	0.118
-76	-19.66	0.104	-46	-25.67	0.052	-16	-20.60	0.093	14	-29.58	0.033	44	-20.91	0.090	74	-19.10	0.111
-75	-19.09	0.111	-45	-22.90	0.072	-15	-29.10	0.035	15	-29.03	0.035	45	-22.90	0.072	75	-19.66	0.104
-74	-18.56	0.118	-44	-20.91	0.090	-14	-29.65	0.033	16	-20.53	0.094	46	-25.68	0.052	76	-20.27	0.097
-73	-18.08	0.125	-43	-19.43	0.107	-13	-19.20	0.110	17	-16.94	0.142	47	-29.98	0.032	77	-20.93	0.090
-72	-17.64	0.131	-42	-18.33	0.121	-12	-14.26	0.194	18	-14.93	0.179	48	-39.06	0.011	78	-21.65	0.083
-71	-17.24	0.137	-41	-17.52	0.133	-11	-10.96	0.283	19	-13.75	0.205	49	-40.72	0.009	79	-22.43	0.076
-70	-16.89	0.143	-40	-16.98	0.142	-10	-8.50	0.376	20	-13.13	0.221	50	-30.75	0.029	80	-23.29	0.068
-69	-16.58	0.148	-39	-16.68	0.147	-9	-6.55	0.470	21	-12.93	0.226	51	-26.38	0.048	81	-24.22	0.062
-68	-16.31	0.153	-38	-16.62	0.148	-8	-4.99	0.563	22	-13.10	0.221	52	-23.63	0.066	82	-25.23	0.055
-67	-16.08	0.157	-37	-16.81	0.144	-7	-3.70	0.653	23	-13.61	0.209	53	-21.69	0.082	83	-26.36	0.048
-66	-15.91	0.160	-36	-17.29	0.137	-6	-2.66	0.736	24	-14.46	0.189	54	-20.23	0.097	84	-27.59	0.042
-65	-15.79	0.162	-35	-18.12	0.124	-5	-1.81	0.812	25	-15.71	0.164	55	-19.11	0.111	85	-28.94	0.036
-64	-15.72	0.164	-34	-19.39	0.107	-4	-1.15	0.876	26	-17.45	0.134	56	-18.23	0.123	86	-30.38	0.030
-63	-15.72	0.164	-33	-21.31	0.086	-3	-0.64	0.929	27	-19.87	0.102	57	-17.55	0.133	87	-31.82	0.026
-62	-15.77	0.163	-32	-24.32	0.061	-2	-0.28	0.968	28	-23.44	0.067	58	-17.02	0.141	88	-33.00	0.022
-61	-15.91	0.160	-31	-29.86	0.032	-1	-0.07	0.992	29	-29.67	0.0328	59	-16.62	0.148	89	-33.54	0.021

Precisão e leitura

A tabela apresenta o ângulo correspondente, a atenuação em dB na precisão original do catálogo e E/Emax com três casas decimais. A curva e a tabela usam a mesma sequência angular.

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