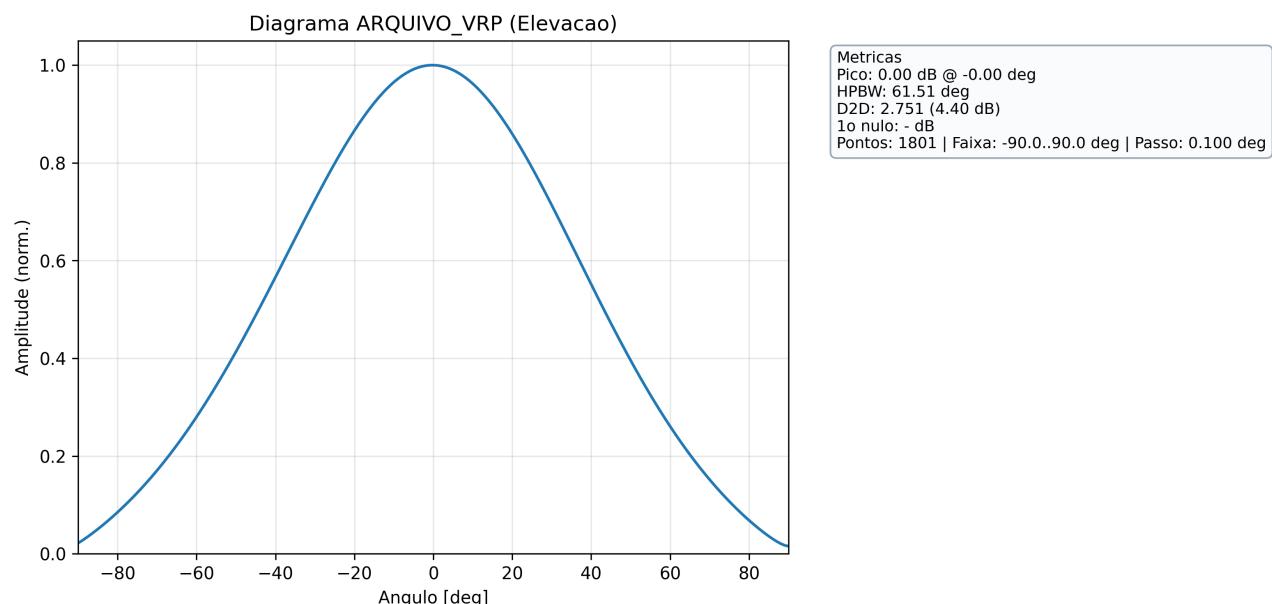


## Diagrama ARQUIVO\_VRP (Elevacao)

Projeto: TESTEEEEEE.eftxproj.json | Antena: T\_END\_FEED\_8\_Hpol | Freq: 300 MHz | Expr: E/Emax linear

Origem: Arquivo. Corte de elevacao em formato planar. Tabela padrao: Elevacao -90..90 deg (passo 1 deg); pontos usados 181 (alvo 181) a partir de 181 amostras.



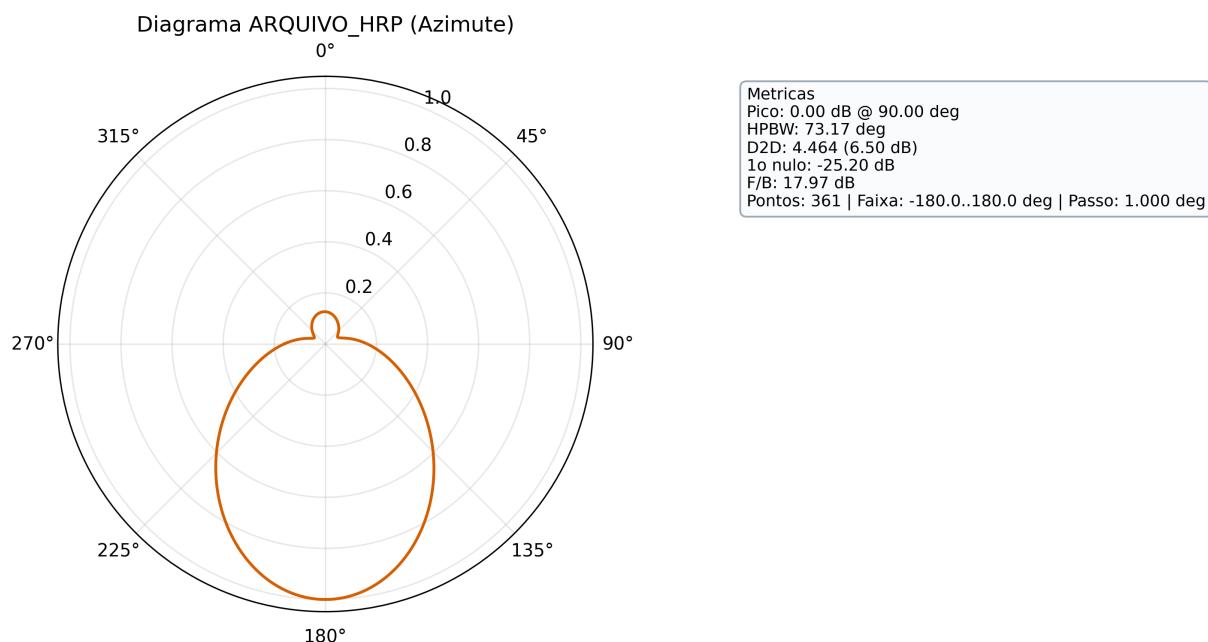
Ang [deg]	Valor [dB]	Ang [deg]	Valor [dB]
-90	-33.26	0	0.00
-89	-31.41	6	-0.12
-84	-24.88	11	-0.41
-78	-19.97	17	-0.96
-73	-16.92	22	-1.59
-67	-13.94	28	-2.56
-62	-11.83	33	-3.54
-56	-9.61	39	-4.92
-51	-7.97	44	-6.25
-45	-6.23	50	-8.05
-40	-4.94	55	-9.76
-34	-3.59	61	-12.09
-29	-2.62	66	-14.33
-23	-1.65	72	-17.51
-18	-1.01	77	-20.84
-12	-0.45	83	-26.38
-7	-0.15	89	-35.25
-1	-0.00	90	-36.33

Tabela padrao: Elevacao -90..90 deg (passo 1 deg). Tabela exibida compactada; dados completos no CSV.

## Diagrama ARQUIVO\_HRP (Azimute)

Projeto: TESTEEEE.eftxproj.json | Antena: T\_END\_FEED\_8\_Hpol | Freq: 300 MHz | Expr: E/Emax linear

Origem: Arquivo. Corte de azimute em formato polar. Tabela padrao: Azimute -180..180 deg (passo 5 deg); pontos usados 73 (alvo 73) a partir de 360 amostras.



Kind:	H	1st null:	-25.20 dB
Peak:	0.00 dB	F/B:	17.97 dB
Peak angle:	90.00 deg	Range min:	-180.0 deg
HPBW:	73.17 deg	Range max:	180.0 deg
D2D:	4.464	Step:	1.000 deg
D2D (dB):	6.50 dB	Points:	361

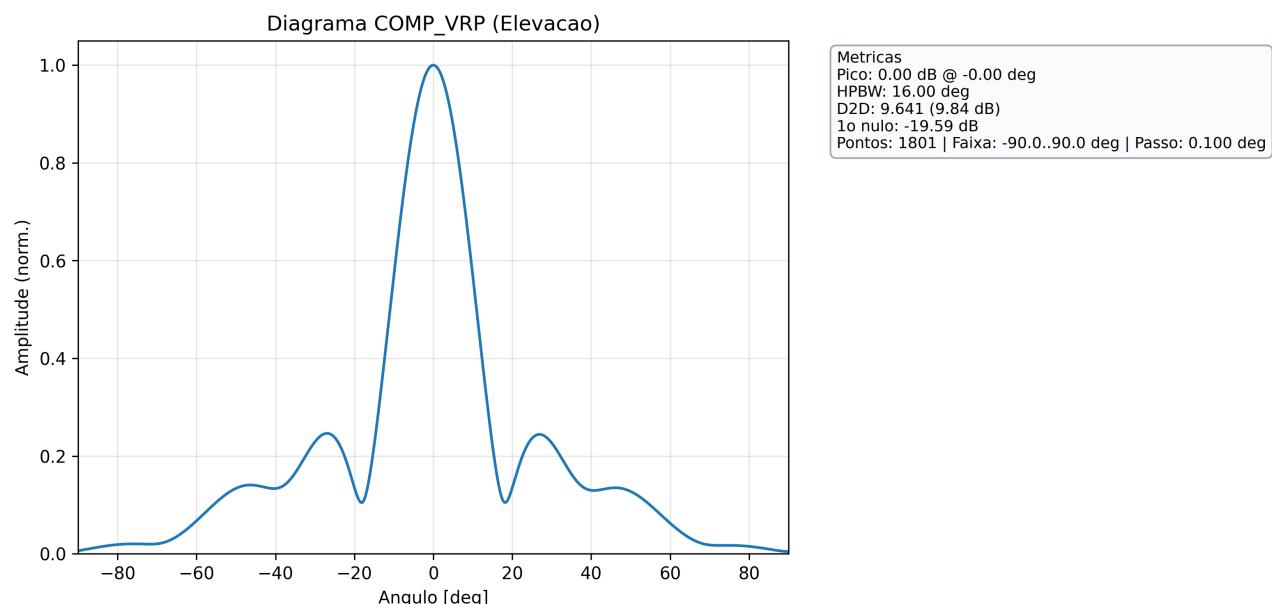
Ang [deg]	Valor [dB]	Ang [deg]	Valor [dB]
-180	-15.82	5	-14.14
-175	-17.56	15	-11.35
-165	-21.60	25	-8.81
-155	-25.52	35	-6.51
-150	-26.07	45	-4.49
-140	-24.04	60	-2.08
-130	-21.61	70	-0.95
-120	-19.88	80	-0.24
-105	-18.36	90	0.00
-95	-17.98	95	-0.06
-85	-18.08	105	-0.53
-75	-18.63	120	-2.05
-65	-19.62	130	-3.52
-50	-21.75	140	-5.34
-40	-23.64	150	-7.50
-30	-25.19	160	-9.97
-20	-23.19	175	-14.22
-10	-19.20	180	-15.82

Tabela padrao: Azimute -180..180 deg (passo 5 deg). Tabela exibida compactada; dados completos no CSV.

## Diagrama COMP\_VRP (Elevacao)

Projeto: TESTEEEE.eftxproj.json | Antena: T\_END\_FEED\_8\_Hpol | Freq: 300 MHz | Expr: E/Emax linear

Origem: Composicao. Corte de elevacao em formato planar. Tabela padrao: Elevacao -90..90 deg (passo 1 deg); pontos usados 181 (alvo 181) a partir de 1801 amostras.



<b>Kind:</b>	V	<b>1st null:</b>	-19.59 dB
<b>Peak:</b>	0.00 dB	<b>Range min:</b>	-90.0 deg
<b>Peak angle:</b>	-0.00 deg	<b>Range max:</b>	90.0 deg
<b>HPBW:</b>	16.00 deg	<b>Step:</b>	0.100 deg
<b>D2D:</b>	9.641	<b>Points:</b>	1801
<b>D2D (dB):</b>	9.84 dB	<b>Fb Db:</b>	nan

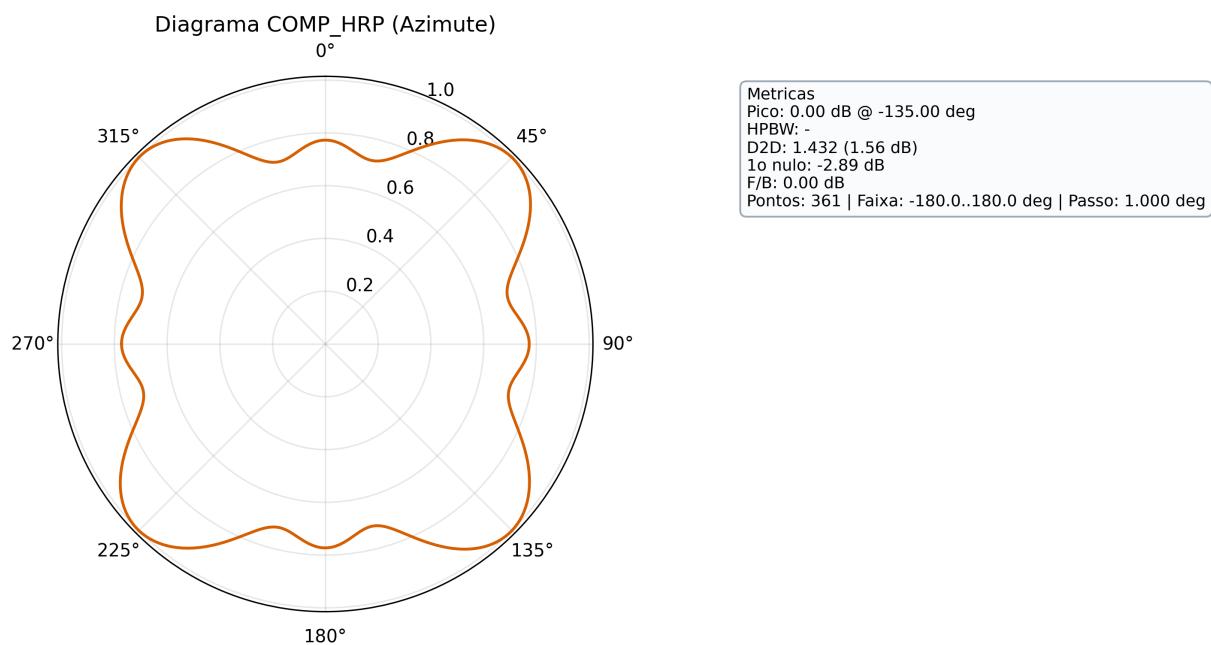
Ang [deg]	Valor [dB]	Ang [deg]	Valor [dB]
-90	-44.39	0	0.00
-89	-42.55	6	-1.66
-84	-36.69	11	-6.08
-78	-34.04	17	-18.11
-73	-34.14	22	-14.56
-67	-31.45	28	-12.33
-62	-25.48	33	-14.47
-56	-20.17	39	-17.60
-51	-17.74	44	-17.50
-45	-17.09	50	-17.89
-40	-17.49	55	-20.07
-34	-14.98	61	-25.10
-29	-12.47	66	-31.17
-23	-13.57	72	-35.37
-18	-19.56	77	-35.49
-12	-7.42	83	-38.46
-7	-2.26	89	-46.40
-1	-0.04	90	-47.46

Tabela padrao: Elevacao -90..90 deg (passo 1 deg). Tabela exibida compactada; dados completos no CSV.

## Diagrama COMP\_HRP (Azimute)

Projeto: TESTEEEEEE.eftxproj.json | Antena: T\_END\_FEED\_8\_Hpol | Freq: 300 MHz | Expr: E/Emax linear

Origem: Composicao. Corte de azimute em formato polar. Tabela padrao: Azimute -180..180 deg (passo 5 deg); pontos usados 73 (alvo 73) a partir de 361 amostras.



Kind:	H	1st null:	-2.89 dB
Peak:	0.00 dB	F/B:	0.00 dB
Peak angle:	-135.00 deg	Range min:	-180.0 deg
HPBW:	nan deg	Range max:	180.0 deg
D2D:	1.432	Step:	1.000 deg
D2D (dB):	1.56 dB	Points:	361

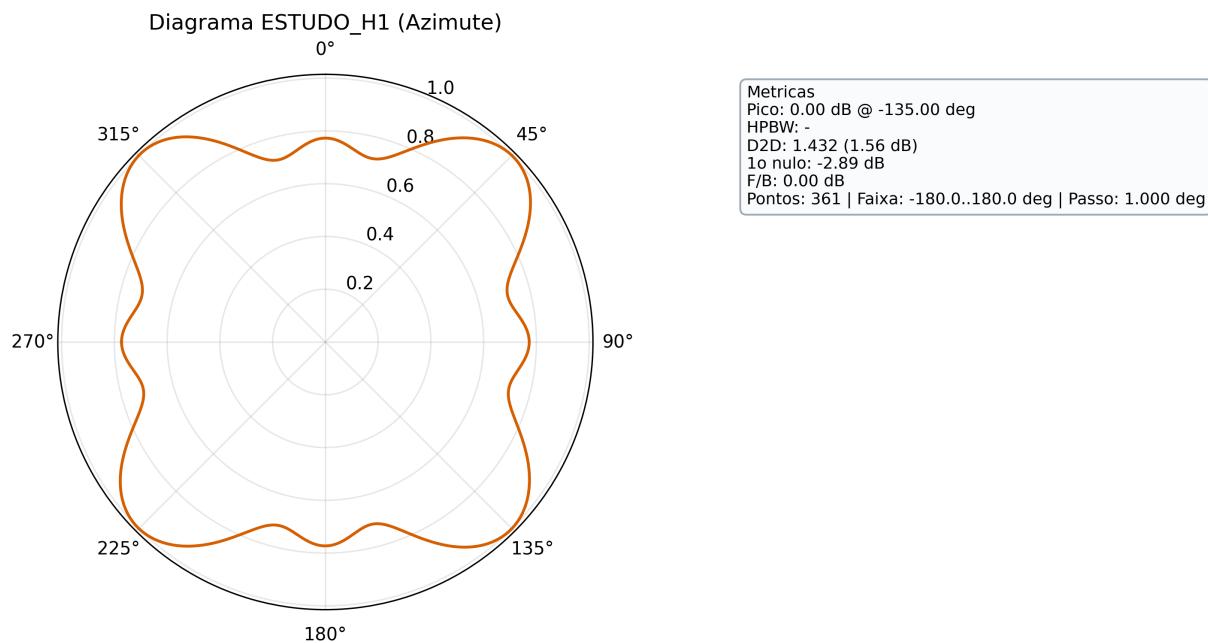
Ang [deg]	Valor [dB]	Ang [deg]	Valor [dB]
-180	-2.24	-5	-2.42
-175	-2.41	10	-2.75
-165	-2.87	20	-2.49
-155	-1.78	30	-1.07
-145	-0.50	40	-0.14
-135	0.00	50	-0.10
-130	-0.10	65	-1.81
-120	-1.04	75	-2.93
-105	-2.93	85	-2.42
-100	-2.79	95	-2.41
-90	-2.24	105	-2.87
-80	-2.75	120	-1.07
-70	-2.49	130	-0.14
-60	-1.07	140	-0.10
-45	0.00	150	-1.04
-35	-0.46	160	-2.55
-25	-1.81	175	-2.42
-15	-2.93	180	-2.24

Tabela padrao: Azimute -180..180 deg (passo 5 deg). Tabela exibida compactada; dados completos no CSV.

## Diagrama ESTUDO\_H1 (Azimute)

Projeto: TESTEEEE.eftxproj.json | Antena: T\_END\_FEED\_8\_Hpol | Pol: POL1 | Freq: 300 MHz | Expr: E/Emax linear

Origem: Estudo (POL1). Corte de azimute em formato polar. Tabela padrao: Azimute -180..180 deg (passo 5 deg); pontos usados 73 (alvo 73) a partir de 361 amostras.



Kind:	H	1st null:	-2.89 dB
Peak:	0.00 dB	F/B:	0.00 dB
Peak angle:	-135.00 deg	Range min:	-180.0 deg
HPBW:	nan deg	Range max:	180.0 deg
D2D:	1.432	Step:	1.000 deg
D2D (dB):	1.56 dB	Points:	361

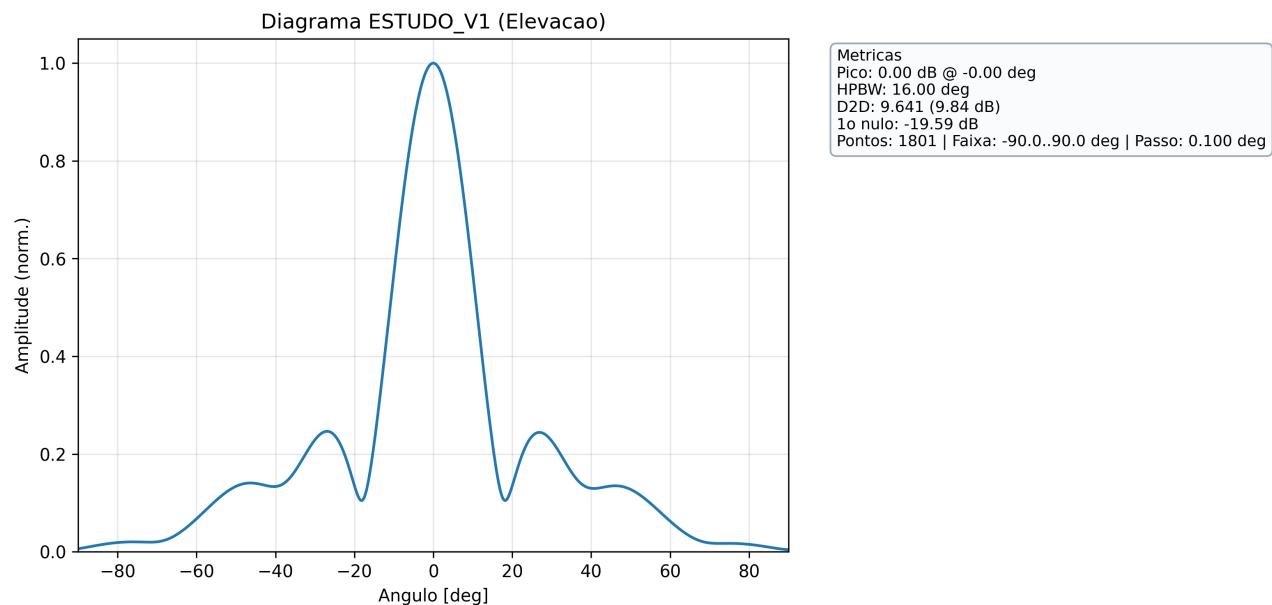
Ang [deg]	Valor [dB]	Ang [deg]	Valor [dB]
-180	-2.24	-5	-2.42
-175	-2.41	10	-2.75
-165	-2.87	20	-2.49
-155	-1.78	30	-1.07
-145	-0.50	40	-0.14
-135	0.00	50	-0.10
-130	-0.10	65	-1.81
-120	-1.04	75	-2.93
-105	-2.93	85	-2.42
-100	-2.79	95	-2.41
-90	-2.24	105	-2.87
-80	-2.75	120	-1.07
-70	-2.49	130	-0.14
-60	-1.07	140	-0.10
-45	0.00	150	-1.04
-35	-0.46	160	-2.55
-25	-1.81	175	-2.42
-15	-2.93	180	-2.24

Tabela padrao: Azimute -180..180 deg (passo 5 deg). Tabela exibida compactada; dados completos no CSV.

## Diagrama ESTUDO\_V1 (Elevacao)

Projeto: TESTEEEE.eftxproj.json | Antena: T\_END\_FEED\_8\_Hpol | Pol: POL1 | Freq: 300 MHz | Expr: E/Emax linear

Origem: Estudo (POL1). Corte de elevacao em formato planar. Tabela padrao: Elevacao -90..90 deg (passo 1 deg); pontos usados 181 (alvo 1801) a partir de 1801 amostras.



<b>Kind:</b>	V	<b>1st null:</b>	-19.59 dB
<b>Peak:</b>	0.00 dB	<b>Range min:</b>	-90.0 deg
<b>Peak angle:</b>	-0.00 deg	<b>Range max:</b>	90.0 deg
<b>HPBW:</b>	16.00 deg	<b>Step:</b>	0.100 deg
<b>D2D:</b>	9.641	<b>Points:</b>	1801
<b>D2D (dB):</b>	9.84 dB	<b>Fb Db:</b>	nan

Ang [deg]	Valor [dB]	Ang [deg]	Valor [dB]
-90	-44.39	0	0.00
-89	-42.55	6	-1.66
-84	-36.69	11	-6.08
-78	-34.04	17	-18.11
-73	-34.14	22	-14.56
-67	-31.45	28	-12.33
-62	-25.48	33	-14.47
-56	-20.17	39	-17.60
-51	-17.74	44	-17.50
-45	-17.09	50	-17.89
-40	-17.49	55	-20.07
-34	-14.98	61	-25.10
-29	-12.47	66	-31.17
-23	-13.57	72	-35.37
-18	-19.56	77	-35.49
-12	-7.42	83	-38.46
-7	-2.26	89	-46.40
-1	-0.04	90	-47.46

Tabela padrao: Elevacao -90..90 deg (passo 1 deg). Tabela exibida compactada; dados completos no CSV.

## Glossario de Termos

Definicoes usadas nos diagramas, tabelas e metricas do projeto.

Termo	Descricao
HRP	Horizontal Radiation Pattern: corte de azimute da antena.
VRP	Vertical Radiation Pattern: corte de elevacao da antena.
HPBW	Half-Power BeamWidth: largura de feixe a -3 dB.
F/B	Front-to-Back ratio: relacao frente/costa em dB.