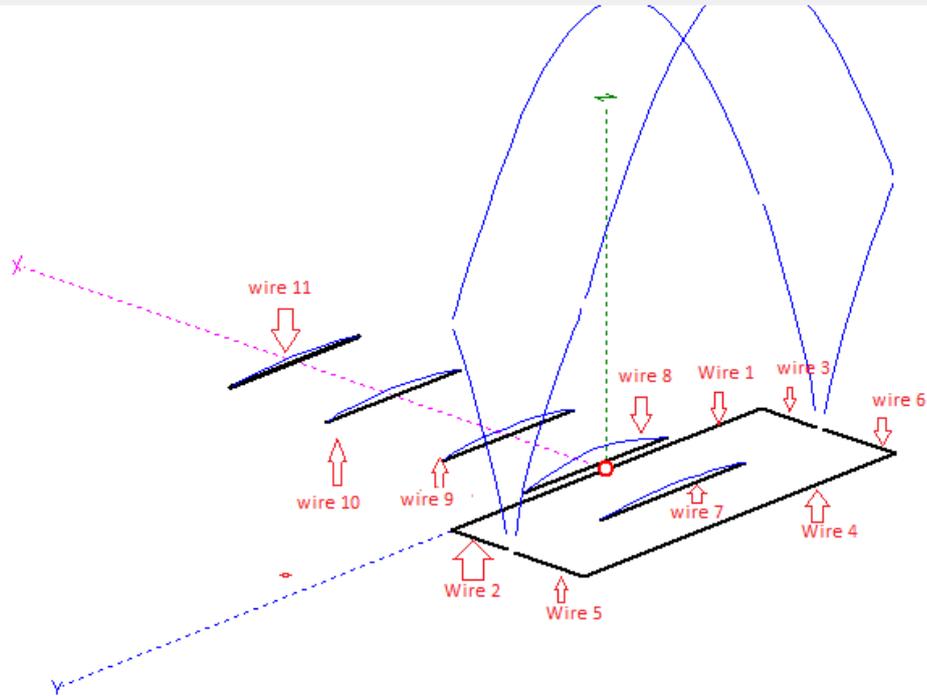


Vista da antena nos eixos cartesianos:

ted wire

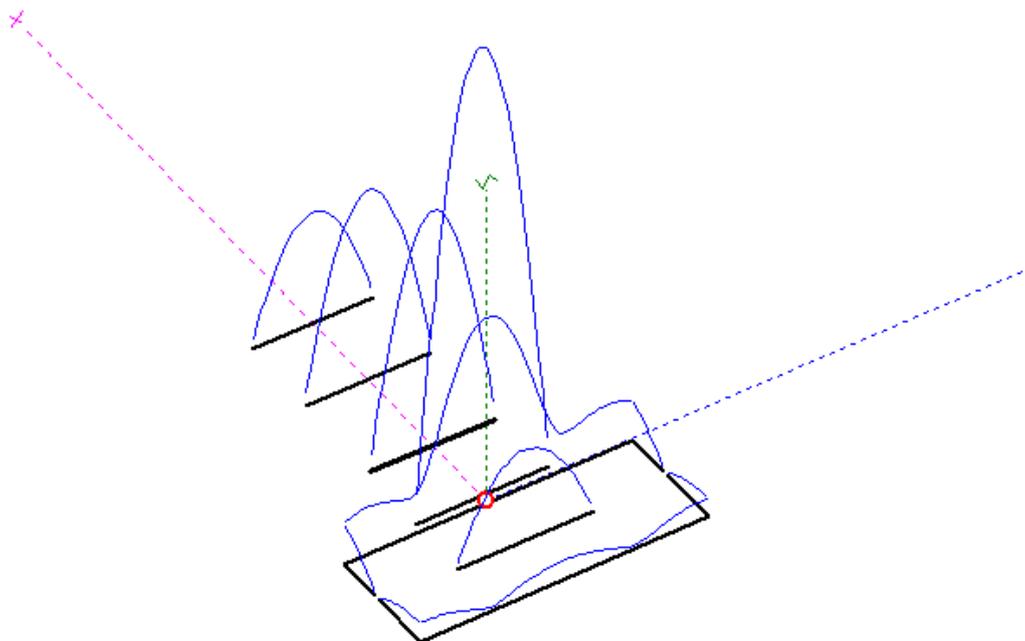
Middle point of antenna

X=0, Y=



Middle point of antenna

X=0, Y=0, Z=H



Obs. Em Azul temos as correntes induzidas (1ª em 146 MHz, 2ª em 436 MHz).

Medidas dos elementos:

The screenshot shows the MMANA-GAL software interface. A red box highlights the 'Wires' table, which lists 10 elements with their coordinates and segment lengths. The frequency is set to 146 MHz.

No.	X1(m)	Y1(m)	Z1(m)	X2(m)	Y2(m)	Z2(m)	R(mm)	Seg.
2	-0.116	0.3495	0.0	0.0	0.3495	0.0	1.6	-1
3	-0.116	-0.3495	0.0	0.0	-0.3495	0.0	1.6	-1
4	-0.281	0.3495	0.0	-0.281	-0.3495	0.0	1.6	-1
5	-0.13	0.3495	0.0	-0.281	0.3495	0.0	1.6	-1
6	-0.13	-0.3495	0.0	-0.281	-0.3495	0.0	1.6	-1
7	-0.14	-0.1646	0.0	-0.14	0.1646	0.0	1.6	-1
8	0.023	-0.1623	0.0	0.023	0.1623	0.0	1.6	-1
9	0.206	-0.1511	0.0	0.206	0.1511	0.0	1.6	-1
10	0.448	-0.1516	0.0	0.448	0.1516	0.0	1.6	-1

Parâmetros da Antena:

Em 146 MHz

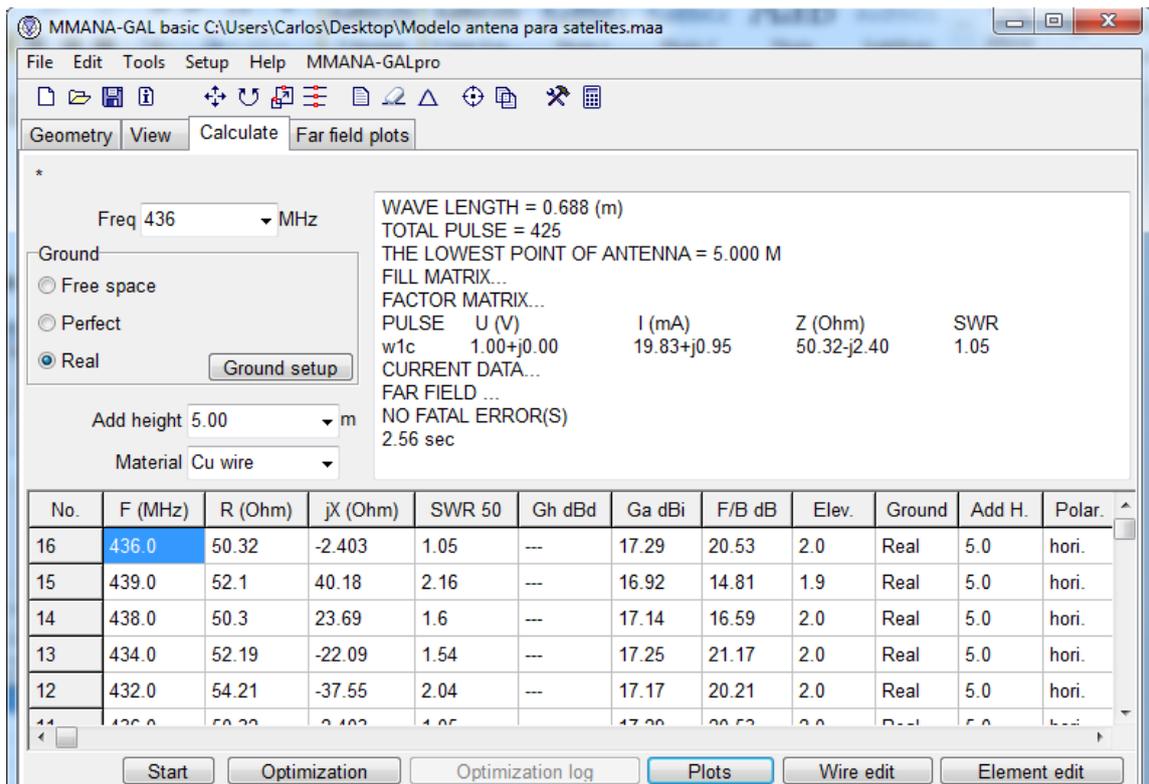
The screenshot shows the MMANA-GAL software interface with the 'Calculate' button pressed. The frequency is 146 MHz. The software displays various parameters and a table of results for the antenna elements.

Parameters displayed:

- WAVE LENGTH = 2.053 (m)
- TOTAL PULSE = 193
- THE LOWEST POINT OF ANTENNA = 5.000 M
- FILL MATRIX...
- FACTOR MATRIX...
- PULSE U (V) I (mA) Z (Ohm) SWR
- w1c 1.00+j0.00 19.91-j0.97 50.11+j2.43 1.05
- CURRENT DATA...
- FAR FIELD ...
- NO FATAL ERROR(S)
- 0.47 sec

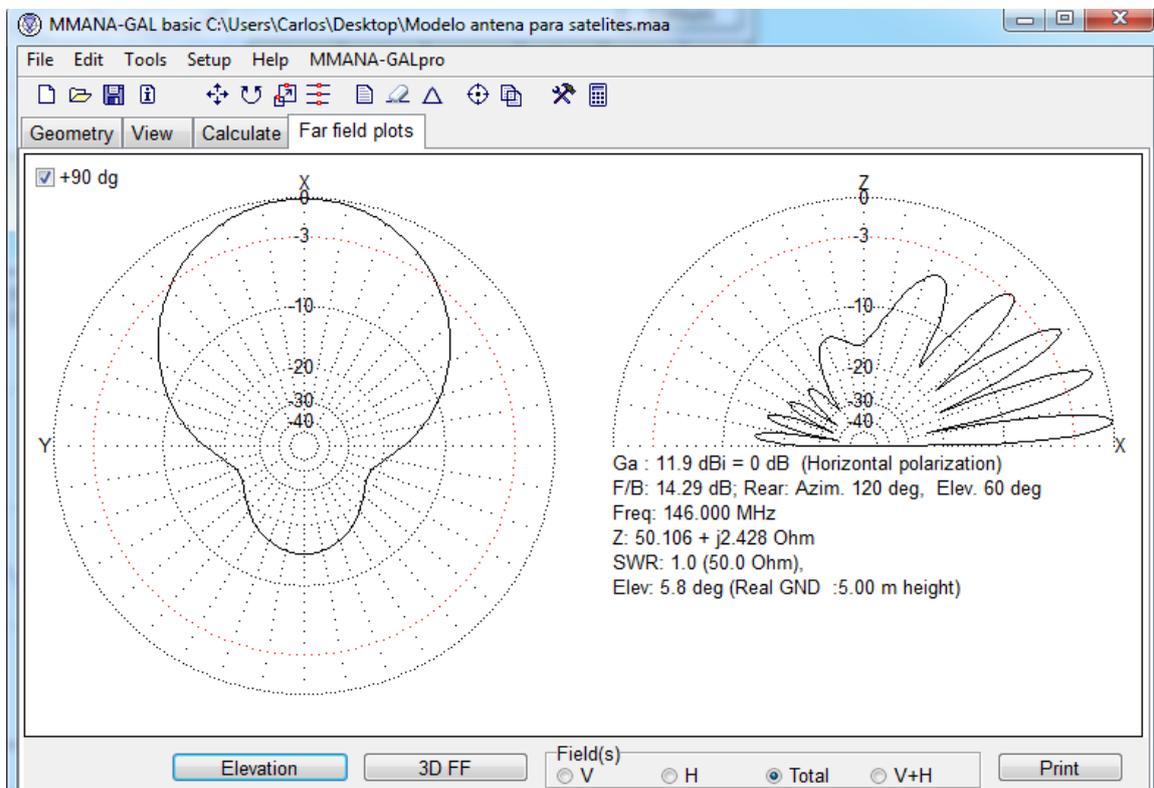
No.	F (MHz)	R (Ohm)	jX (Ohm)	SWR 50	Gh dBd	Ga dBi	F/B dB	Elev.	Ground	Add H.	Polar.
10	146.0	50.11	2.428	1.05	---	11.9	14.29	5.8	Real	5.0	hori.
9	147.5	67.31	10.51	1.42	---	11.62	15.4	5.8	Real	5.0	hori.
8	147.0	62.36	8.408	1.31	---	11.7	16.5	5.8	Real	5.0	hori.
7	145.0	40.93	-5.904	1.27	---	12.02	11.73	5.8	Real	5.0	hori.
6	144.0	32.96	-15.74	1.76	---	12.11	9.46	5.9	Real	5.0	hori.

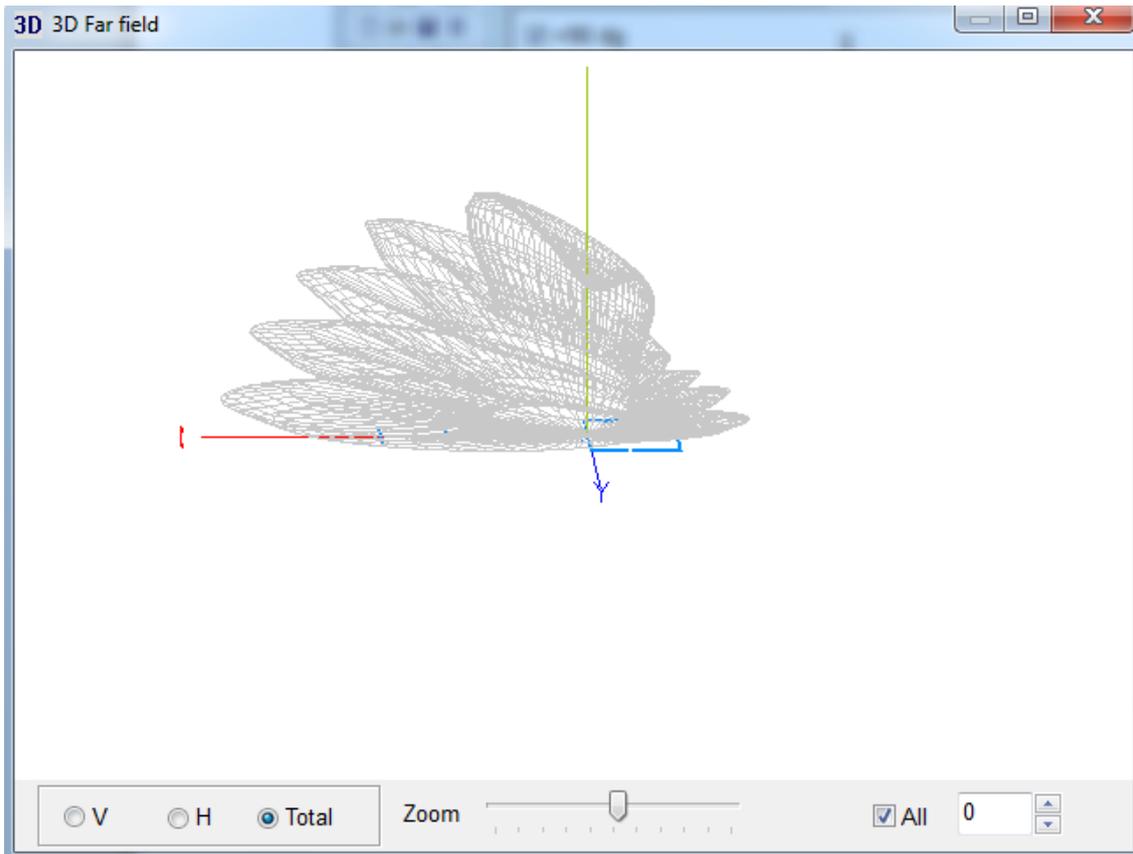
Em 436 MHz



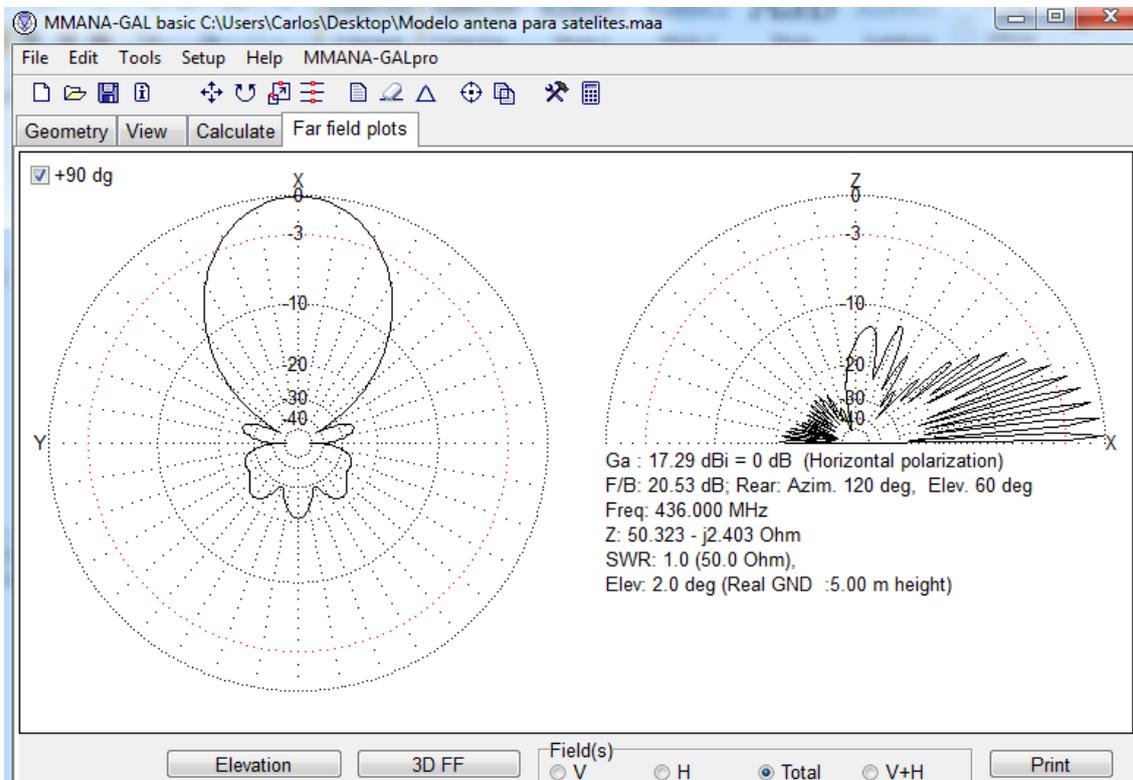
Diagramas de irradiação:

Em 146 MHz

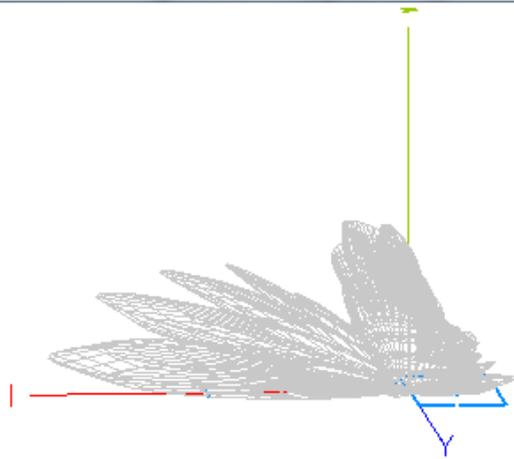




Em 436 MHz



3D 3D Far field



V H Total

Zoom



All

0

