☒ Center Ant Image

Mouse Operation

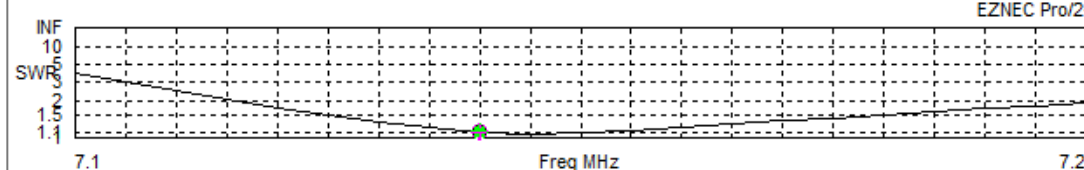
☒ Normal Viewing☐ Add Conn Wires☐ Move Wire Ends

SWR Plot: G0UIH-40M2-30M2-K7MEM CoilCalc

File Edit View Options

Z0
☐ 50 ohms
☒ Alt (15 ohms)

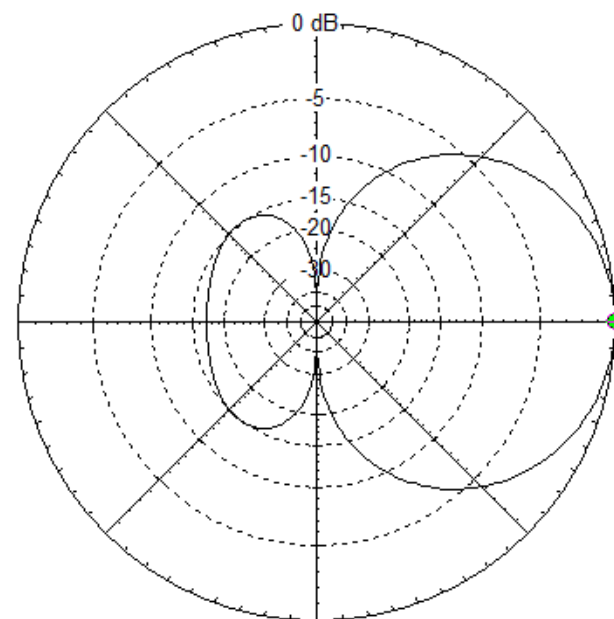
Source #

Freq 7.14 MHz
SWR 1.12
Z 13.51 at -1.94 deg.
= 13.5 - j0.4575 ohms
Ref Coeff 0.05494 at -162.1 deg.
= -0.05228 - j0.01689
Ret Loss 25.2 dBSource # 1
Z0 15 ohms

2D Plot: G0UIH-40M2-30M2-K7MEM CoilCalc

File Edit View Options Reset

Total Field



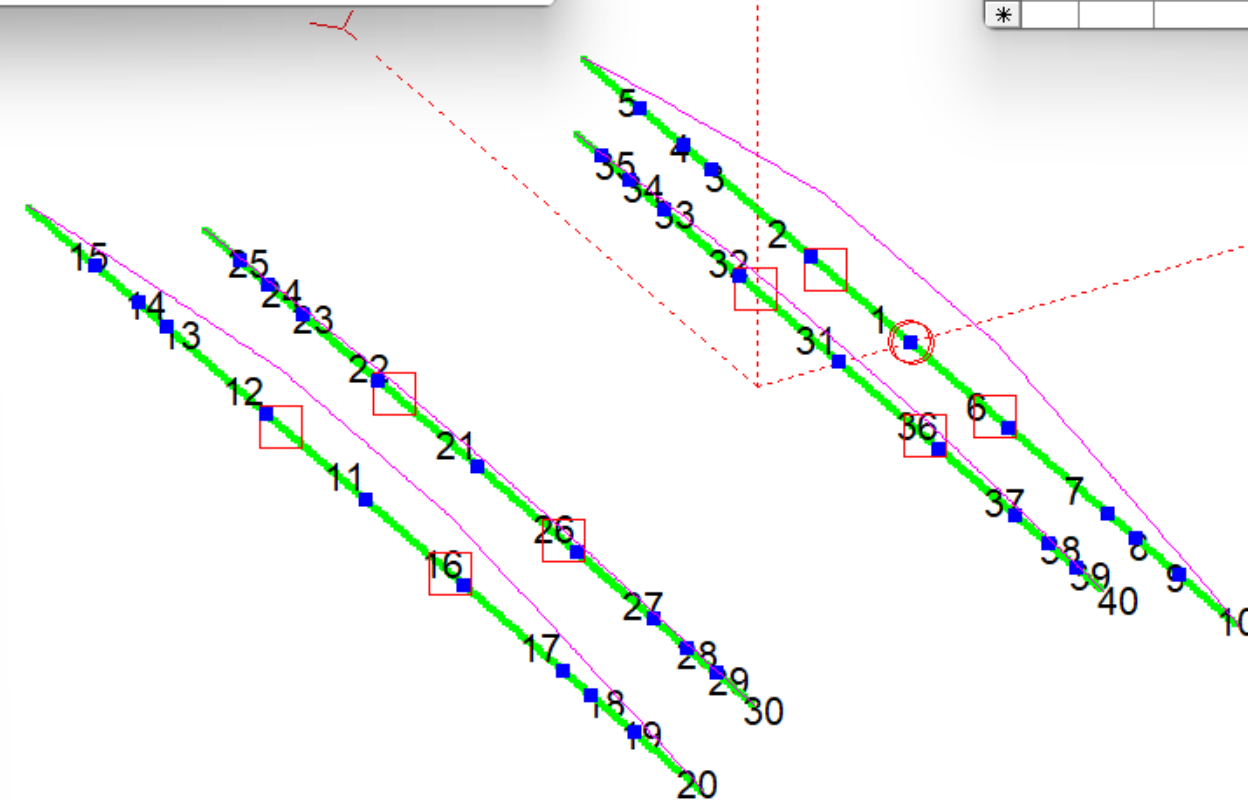
7.14 MHz

Azimuth Plot
Elevation Angle 0.0 deg.
Outer Ring 5.59 dBi
Cursor Az 0.0 deg.
Gain 5.59 dBi
0.0 dBmaxSlice Max Gain 5.59 dBi @ Az Angle = 0.0 deg.
Front/Back 17.1 dB
Beamwidth 76.6 deg.; -3dB @ 321.7, 38.3 deg.
Sidelobe Gain -9.41 dBi @ Az Angle = 129.0 deg.
Front/Sidelobe 15.0 dB

Loads (RLC)

Load Edit Other

Loads										
	No.	Specified Pos.	Actual Pos.		R	L	C	R Freq	Config	Ext Conn
		Wire #	% From E1	Seg	(ohms)	(uH)	(pF)	(MHz)		
▶	1	1	86	85.4839	27	Short	7.1	Short	7.1	Ser Ser
	2	11	86	85.4839	27	Short	7.1	Short	7.1	Ser Ser
	3	21	86	85.4839	27	Short	3.9	Short	10.13	Ser Ser
	4	31	86	85.4839	27	Short	3.9	Short	10.13	Ser Ser
	5	16	86	85.4839	27	Short	7.1	Short	7.1	Ser Ser
	6	6	86	85.4839	27	Short	7.1	Short	7.1	Ser Ser
	7	26	86	85.4839	27	Short	3.9	Short	10.13	Ser Ser
	8	36	86	85.4839	27	Short	3.9	Short	10.13	Ser Ser
*										



Sources

Source Edit Other

Sources						
	No.	Specified Pos.	Actual Pos.	Amplitude	Phase	Type
		Wire #	% From E1	% From E1	Seg	(V, A)
▶	1	1	0	0	1	1
*						

Geometry and Segmentation Check

File Edit Segmentation

EZNEC Pro/2+ ver. 7.0

G0UIH-40M2-30M2-K7MEM CoilCalc 31/12/2025 12:57:15

----- All Geometry Checks ok -----

----- All Segmentation Checks ok -----

EZNEC Pro/2+ v. 7.0

File Edit Options Outputs Setups View Utilities Help

Open
Save As
Ant NotesCurrents
Src Dat
Load Dat
FF Tab
NF Tab
SWR
View AntNEC-2D
FF Plot

> G0UIH-40M2-30M2-K7MEM CoilCalc

File G0UIH-40M2-30M2-K7MEM CoilCalc.EZ

> **Frequency** 7.14 MHz

Wavelength 41.9877 m

> **Wires** 40 Wires, 792 segments

> **Sources** 1 Source

> **Loads** 8 Loads

> **Trans Lines** 0 Transmission Lines

> **Transformers** 0 Transformers

> **L Networks** 0 L Networks

> **Y Param Networks** 0 Y Param Networks

> **Ground Type** Free Space

> **Wire Loss** Aluminum (6061-T6)

> **Units** Meters

> **Plot Type** Azimuth

> **Elevation Angle** 0 Deg.

> **Step Size** 1 Deg.

> **Ref Level** 0 dBi

> **Alt SWR Z0** 15 ohms

> **Desc Options**

> **Gnd Wave Dist** OFF