View Antenna: G0UIH-40M2-30M2-K7MEM CoilCalc

File Edit View Options Reset

Zoom

Display Reset | Current Reset

Move Image

X Y Z

Reset

Center Ant Image

Mouse Operation

- Normal Viewing
- Add Conn Wires
- Move Wire Ends

EZNEC Pro/2+

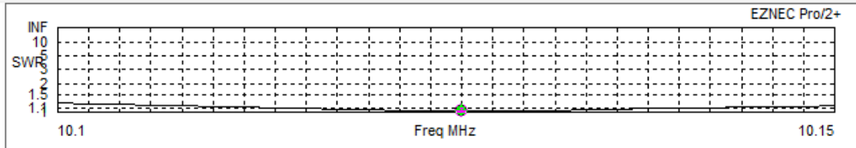
SWR Plot: G0UIH-40M2-30M2-K7MEM CoilCalc

File Edit View Options

Z0

- 50 ohms
- Alt (28 ohms)

1 Source #



Freq	10.126 MHz
SWR	1.018
Z	27.53 at 0.37 deg.
	= 27.53 + j 0.1798 ohms
Refl Coeff	0.009034 at 158.82 deg.
	= -0.008424 + j 0.003264
Ret Loss	40.9 dB
Source #	1
Z0	28 ohms

Loads (RLC)

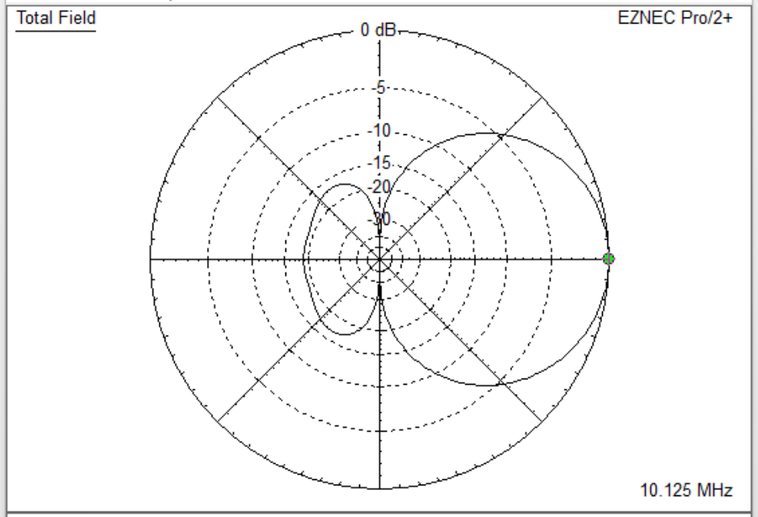
Load Edit Other

Loads

No.	Specified Pos.		Actual Pos.		R	L	C	R Freq	Config	Ext Conn
	Wire #	% From E1	% 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

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

File Edit View Options Reset



Azimuth Plot		Cursor Az	0.0 deg.
Elevation Angle	0.0 deg.	Gain	5.98 dBi
Outer Ring	5.98 dBi		0.0 dBmax
Slice Max Gain	5.98 dBi @ Az Angle = 0.0 deg.		
Front/Back	18.91 dB		
Beamwidth	74.2 deg.; -3dB @ 322.9, 37.1 deg.		
Sidelobe Gain	-10.86 dBi @ Az Angle = 125.0 deg.		
Front/Sidelobe	16.84 dB		

Sources

Source Edit Other

Sources

No.	Specified Pos.		Actual Pos.		Amplitude	Phase	Type
	Wire #	% From E1	% From E1	Seg	(V, A)	(deg.)	
1	31	0	0	1	1	0	SI

Geometry and Segmentation Check

File Edit Segmentation

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

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

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File Edit Options Outputs Setups View Utilities Help

Open | Save As | Ant Notes | Currents | Src Dat | Load Dat | FF Tab | NF Tab | SWR | View Ant | NEC-2D | FF Plot

G0UIH-40M2-30M2-K7MEM CoilCalc	
File	G0UIH-40M2-30M2-K7MEM CoilCalc.EZ
Frequency	10.125 MHz
Wavelength	29.6091 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	28 ohms
Desc Options	
Gnd Wave Dist	OFF