

# TelRaam

Nederlands (N) / English (E)

e

e/n

Enter information about your antenna project in the yellow cells.

The name of your antenna project

TelRaam

Text

	Symbol	Value	Unit
Enter here your LOWEST frequency	F	522	kHz
OR enter your LONGEST wavelength here	$\lambda$		m
The lowest frequency is	F	522	kHz
Your largest capacity	C	500	pF
The smallest capacity	c	30	pF
Your coil inductance	L	185,9	$\mu$ H
Your highest frequency will be	f	2131	kHz
Is your coil V=Square, C=Circular, or A=other?	S	v	c/v/a
The side of your antenna	d	45	cm
The winding length	l	8	cm
The coil area	A	0,2025	m <sup>2</sup>
The Rayleigh factor	$\rho$	2,846	
Number of turns	N	13,47	-
Spacing between turns	$\delta$	6,42	mm
Total wire length	W	24,25	m

## Physical constants

The speed of light

c

299792458

m/s

The permeability

$\mu$

1,25664E-06

H/m

Computed on date

7-6-2017