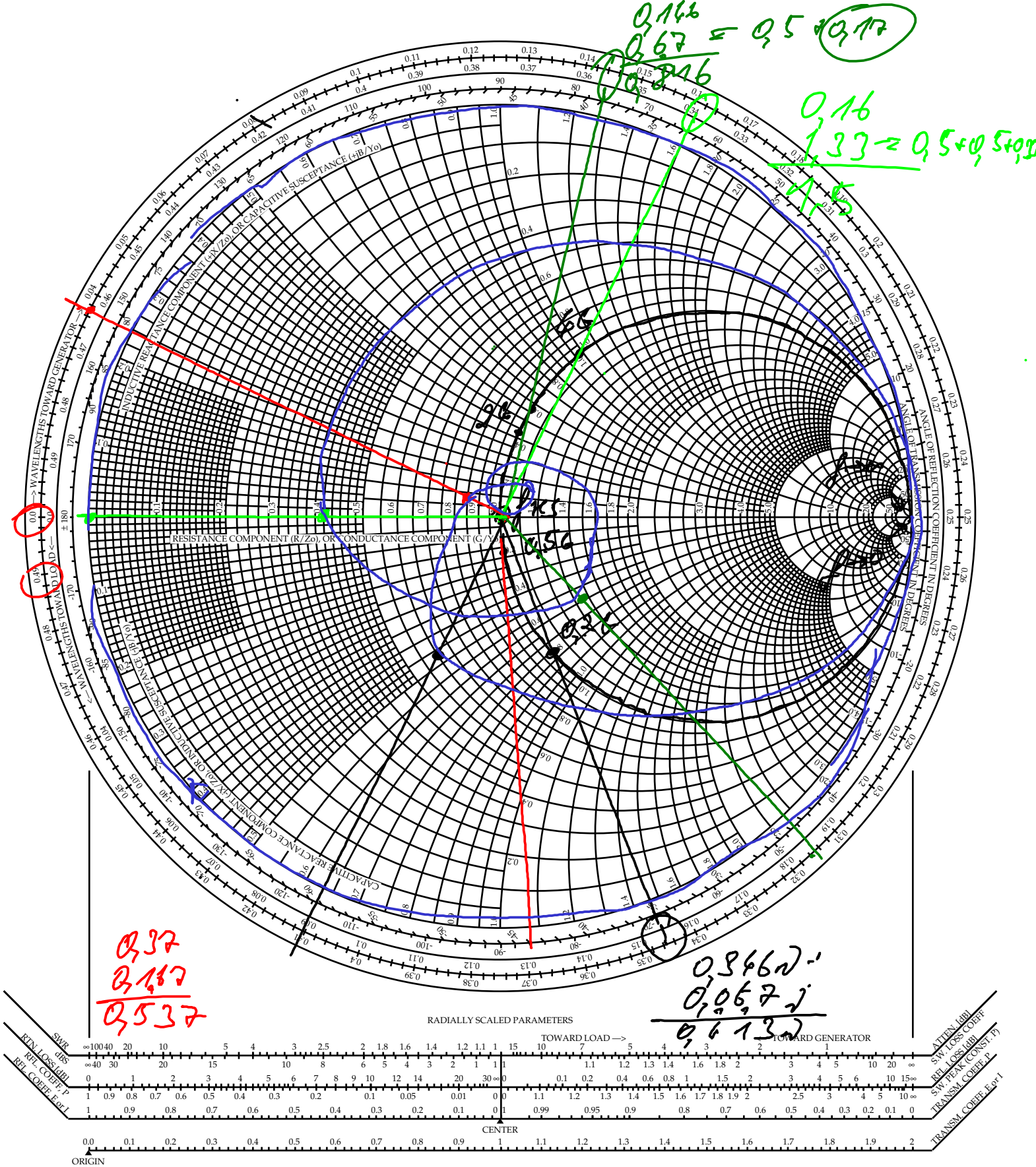


$f_{res} =$

The Smith Chart

Microwaves101.com



$$f_{res} = 795 \text{ MHz}$$

	Z/Ω	Z/Z_0	$ P $
200 MHz	$50 - j37,3$	$1 - j0,75$	-9,5 dB
500 MHz	$50 - j9,63$	$1 - j0,19$	-20 dB
f_{res}	50	$1 + j0$	$-\infty$ dB
2 GHz	$50 + j21,15$	$1 + j0,423$	-14 dB
4 GHz	$50 + j48,3$	$1 + j0,97$	-7 dB

$$Z = R + j\left(\omega L - \frac{1}{\omega C}\right)$$

	50Ω	2 nH	20 pF
	Ω/cm	$\text{kg}/\text{g}/\Omega$	
200 MHz	150 cm	0,067	
500 MHz	60 cm	0,167	
795 MHz	38 cm	0,263	
2000 MHz	15 cm	0,67	
4000 MHz	7,5 cm	1,33	