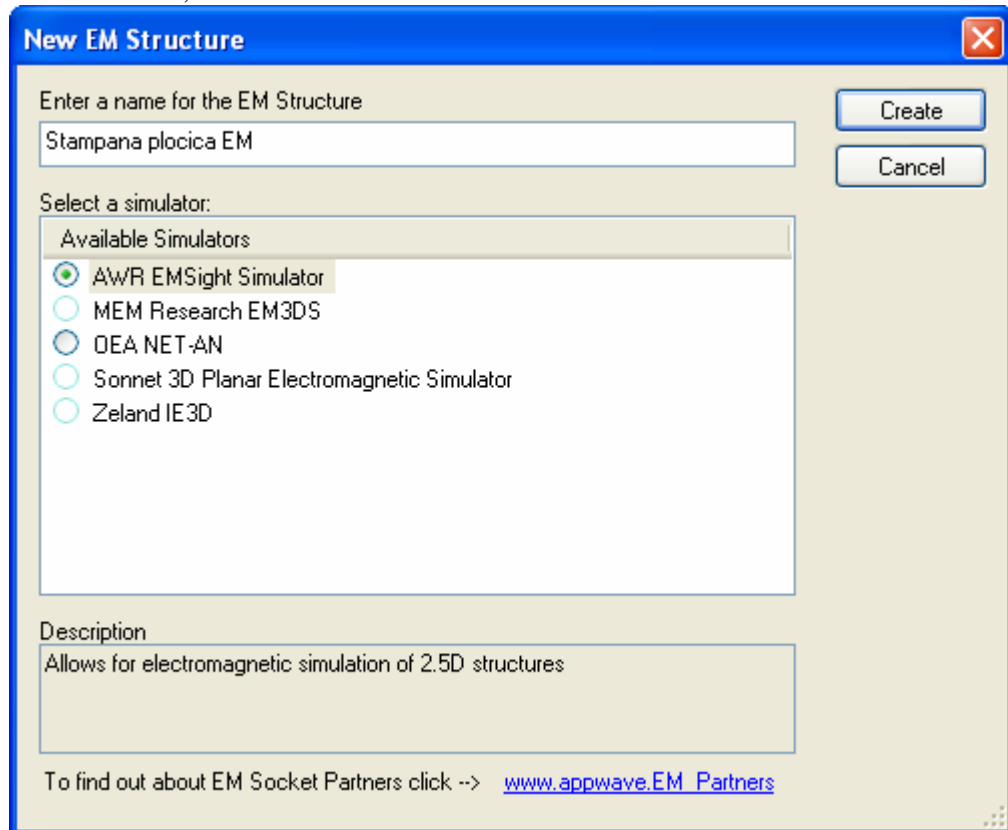


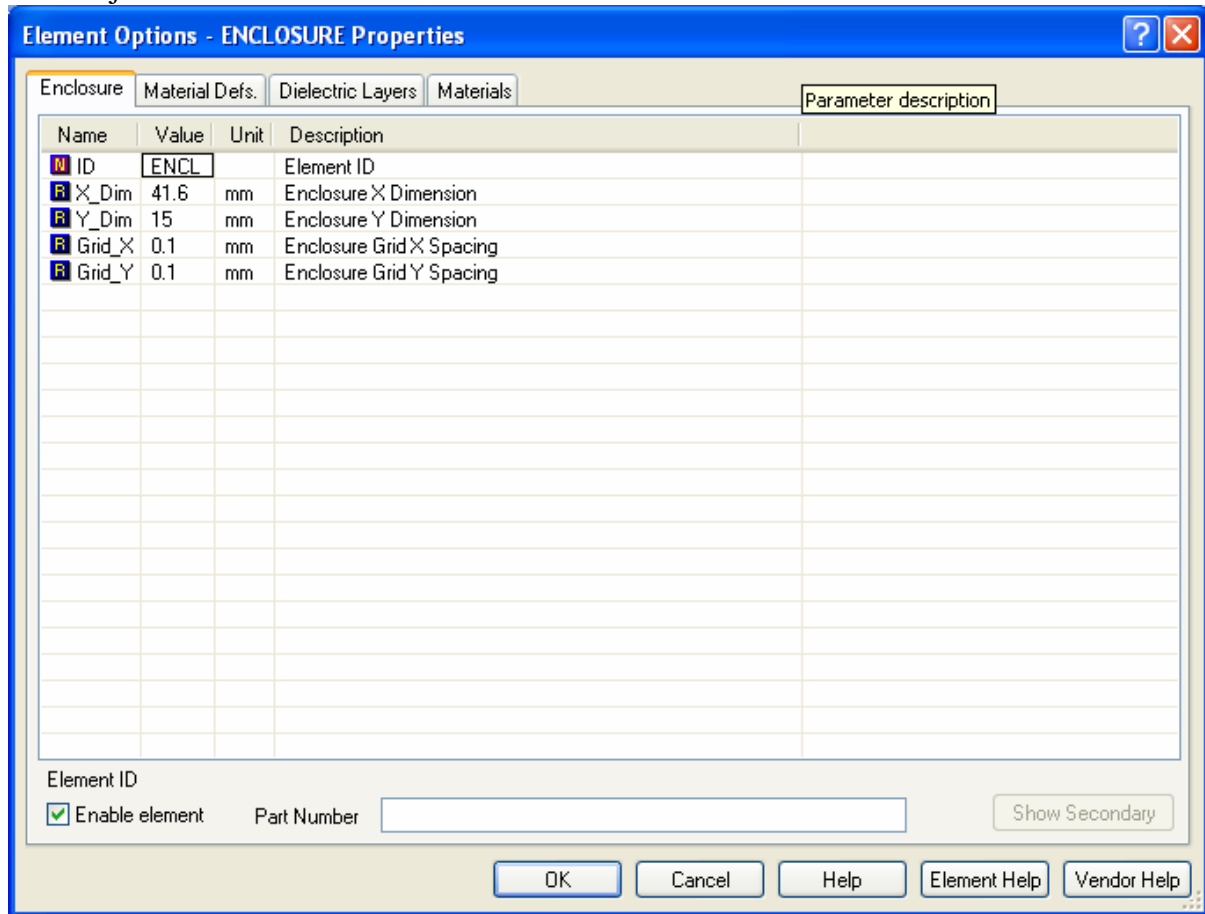
## Uputstvo za EM simulaciju Stepped-impedance filtra u programu MWO

Postaviti učestanosti na kojima se vrši proračun u MWO projektu na 0, 0.1, 0.2, ... 5.0 GHz (51 učestanost), zbog kraćeg vremena proračuna simulacije.

EM Structure, New EM Structure:



Definišite parametre 3D modela (Enclosure), za dimenzije pločice uzmite stvarne dimenzije vaše pločice (kao što će biti u nacrtu u programu Protel), za korak mreže **obavezno** uzeti 0.1 mm:  
dimenzije:



parametri dielektrika:

Element Options - STACKUP Properties

Enclosure Material Defs. Dielectric Layers Materials

Dielectric Definitions:

Name	Er	TanD	Advanced Properties
Diel_1	1	0	
Diel_2	4.6	0.02	

Conductor Definitions:

Name	Sigma	Advanced Properties

Impedance Definitions:

Name	ResSq	ResF	React

(Defaults: Air, Perfect Conductor, Approx Open, Inf WG )

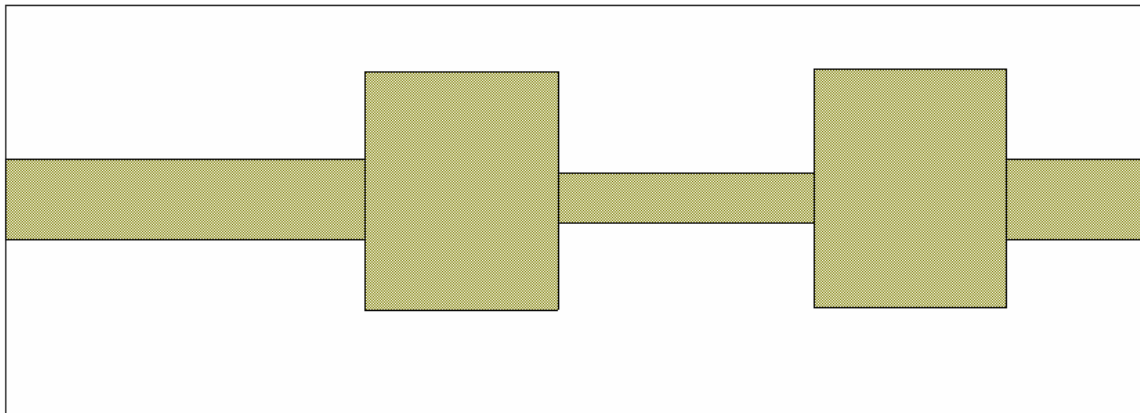
OK Cancel Help Element Help Vendor Help

Buttons: Add, Remove, Advanced (for Dielectric and Conductor Definitions)

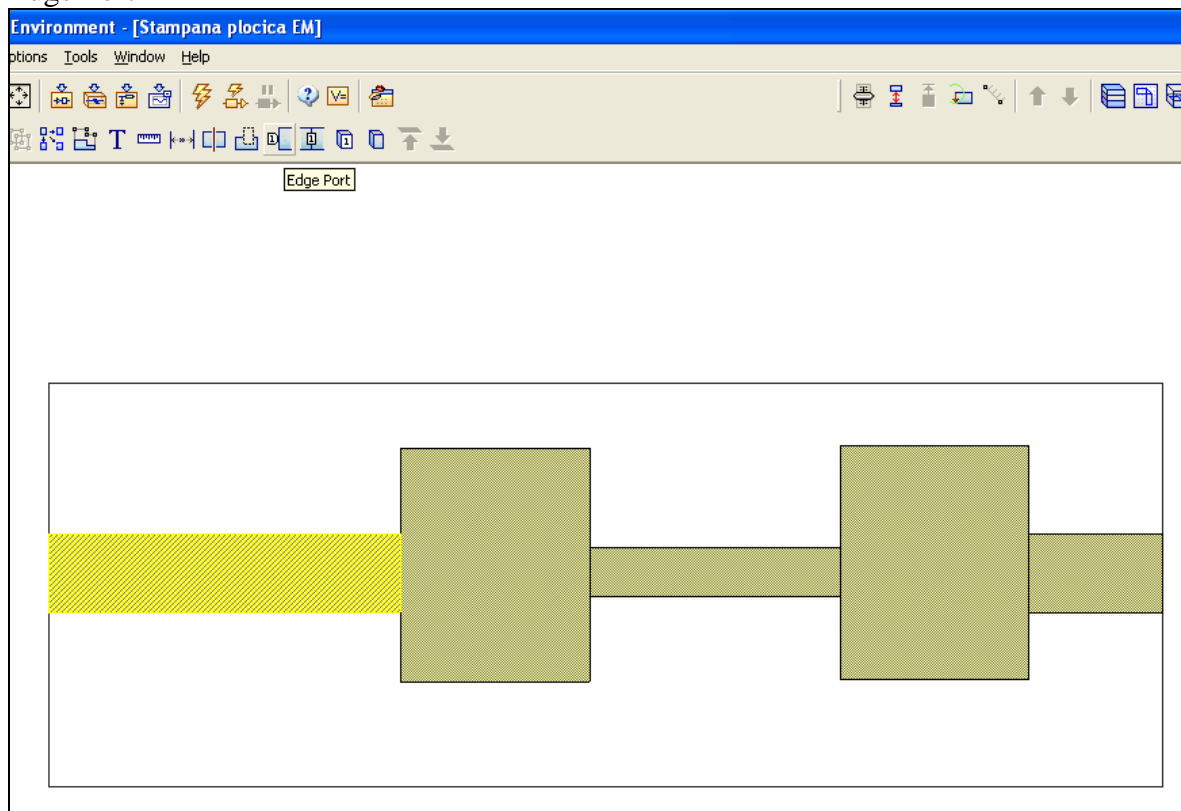




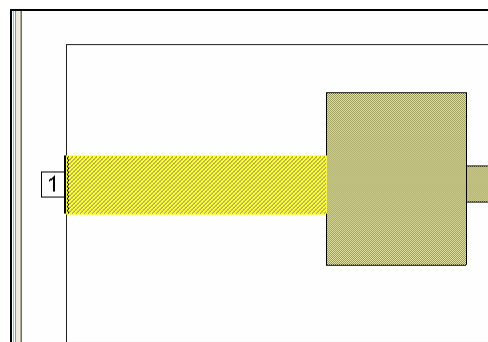
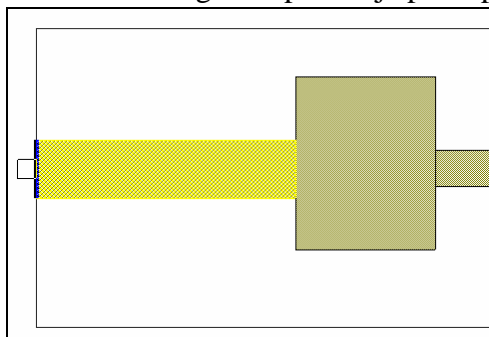
Kada se nacrtaju svi pravougaonici nacrt izgleda otprilike ovako (izgled na primeru ne odgovara izgledu stvarnog filtra, već je samo ilustracija kako se pravi model):



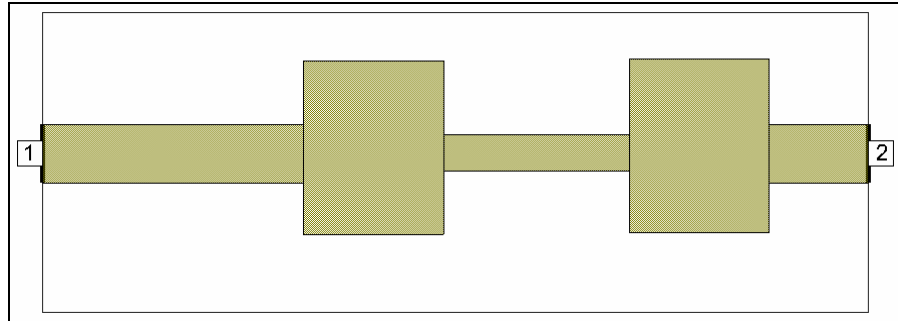
Pristupi se postavljaju na uvodnike tako što se selektuje pravougaonik uvodnika, klikne alat Edge Port



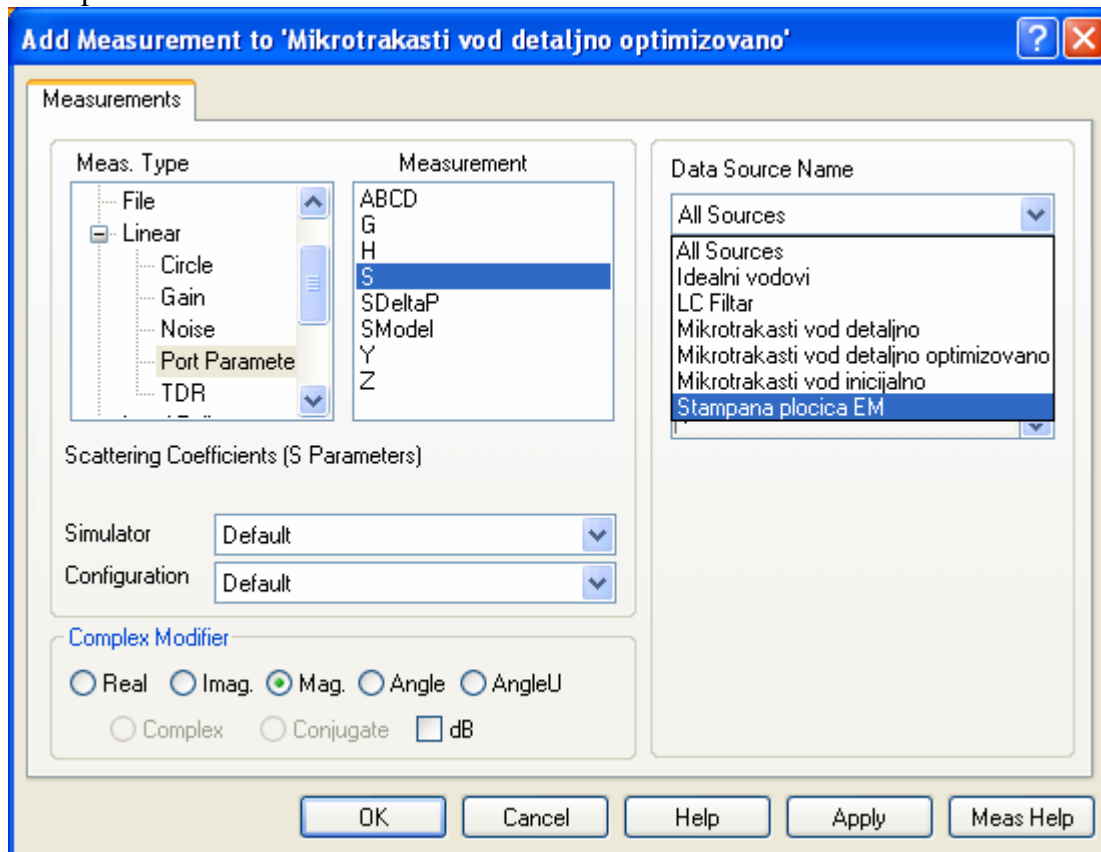
i klikne mesto gde se postavlja pristup:



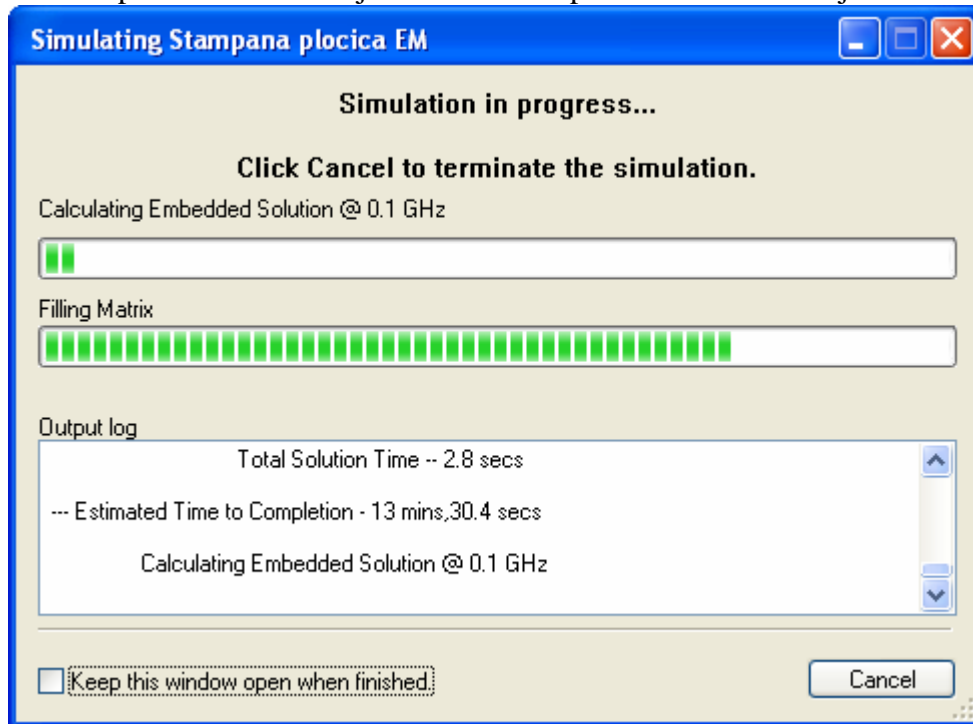
Završen nacrt:



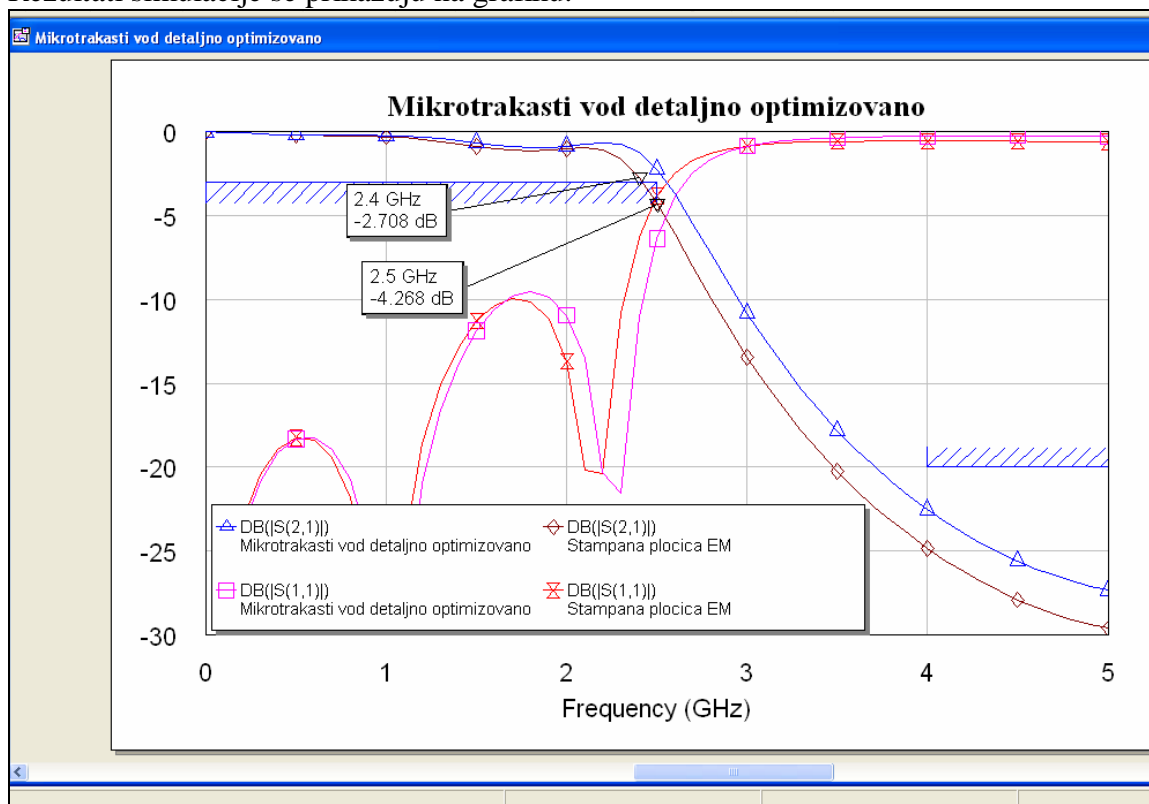
U dijalogu „Add Measurement“ na graficima se pojavljuje na spisku i ovaj model, ravnopravno sa Schematic-ima:



Kada se pokrene analiza najviše vremena otpada na EM simulaciju:



Rezultati simulacije se prikazuju na grafiku:



V. Petrović, decembar 2011.