

*Our excellent theoretical understanding together with  
experienced top industrial antenna design methods & tools  
enables you to benefit of cost-efficient solutions and faster time-to-market*



# **ExcellAnt**

*Innovative antenna system partner*

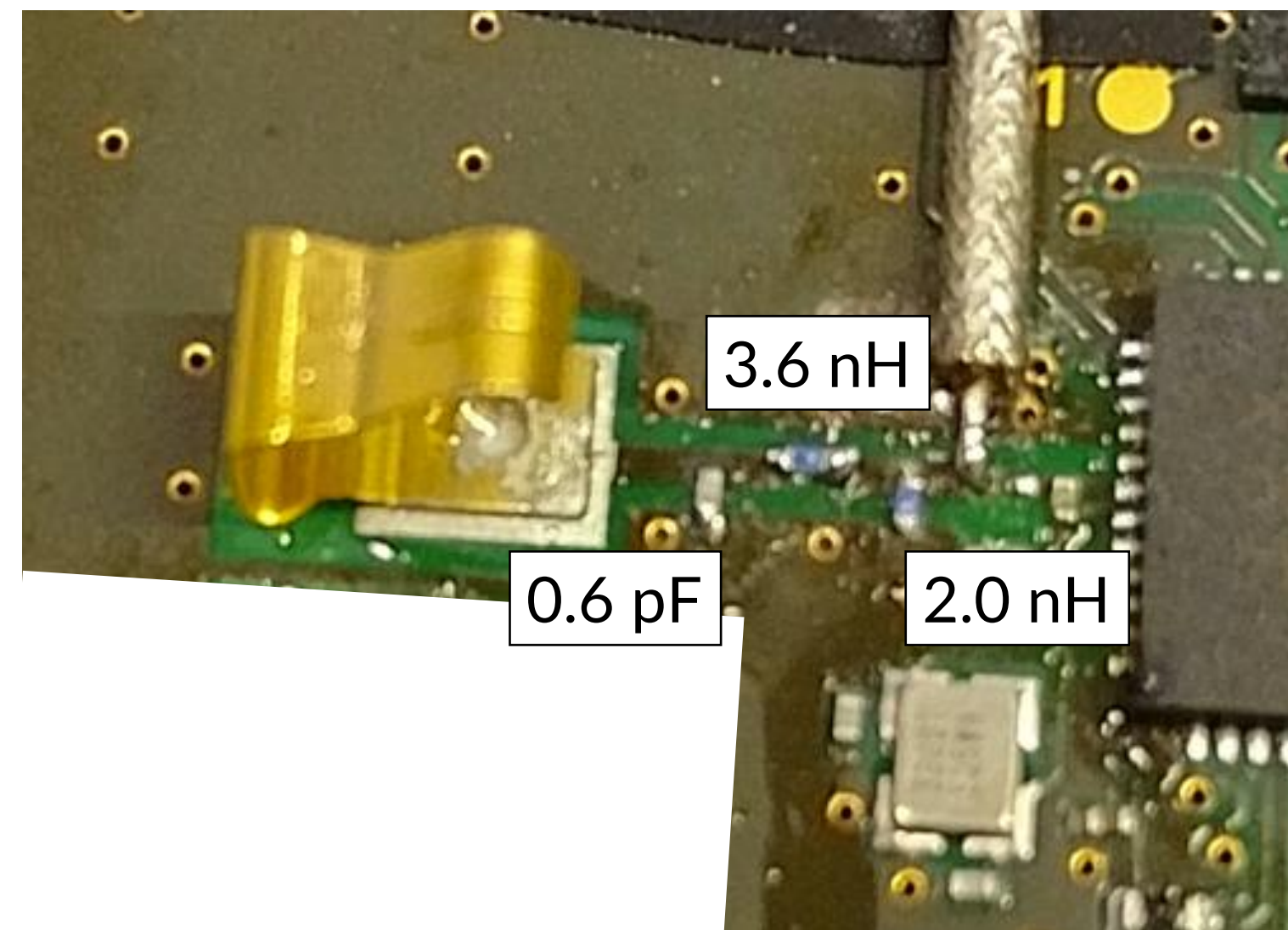
**Solifer EVO antenna measurements**

25.1.2022  
Mikko Linnanmäki



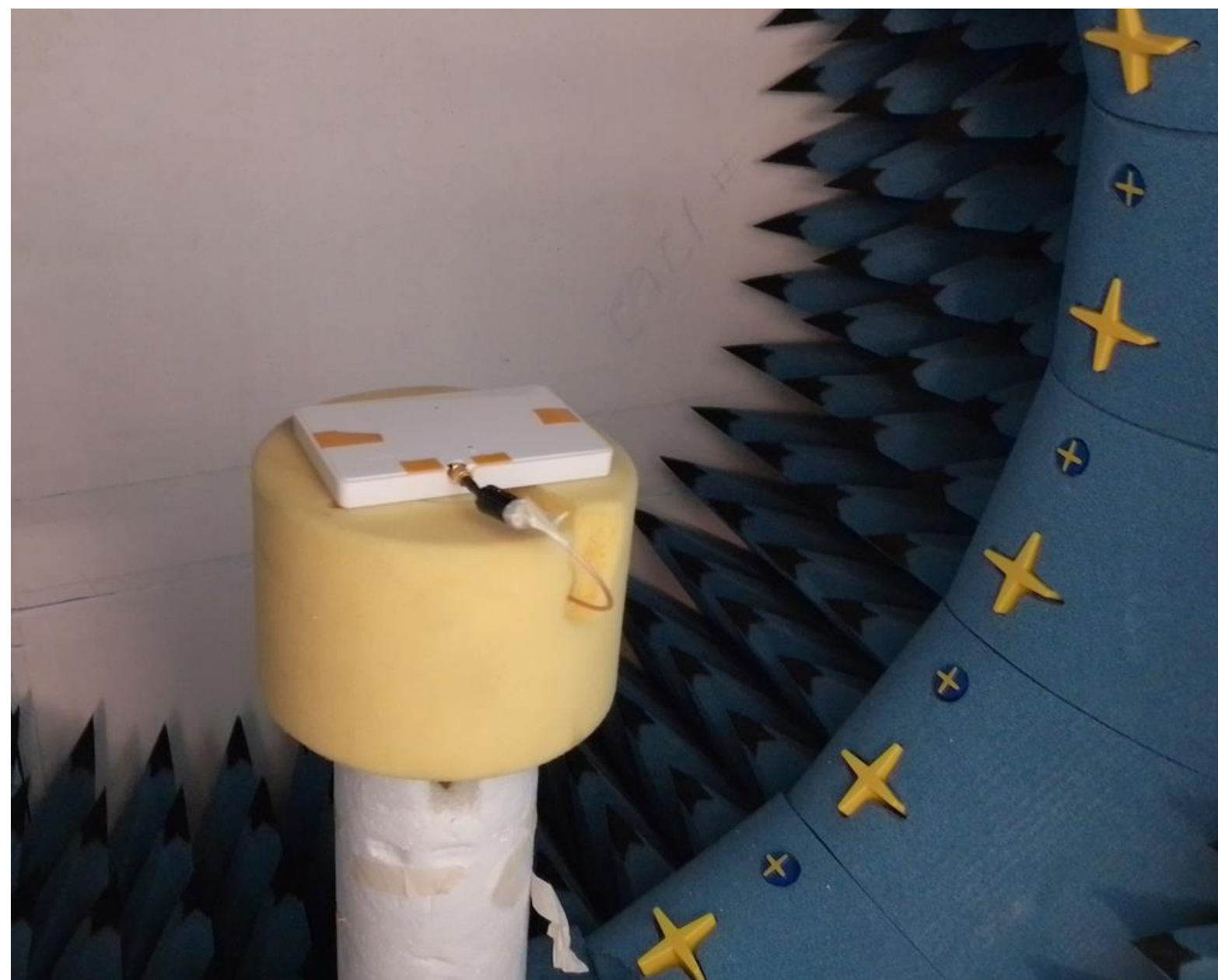
# Antenna matching circuits

Matching circuit in prototype (PCB SLF\_04 )

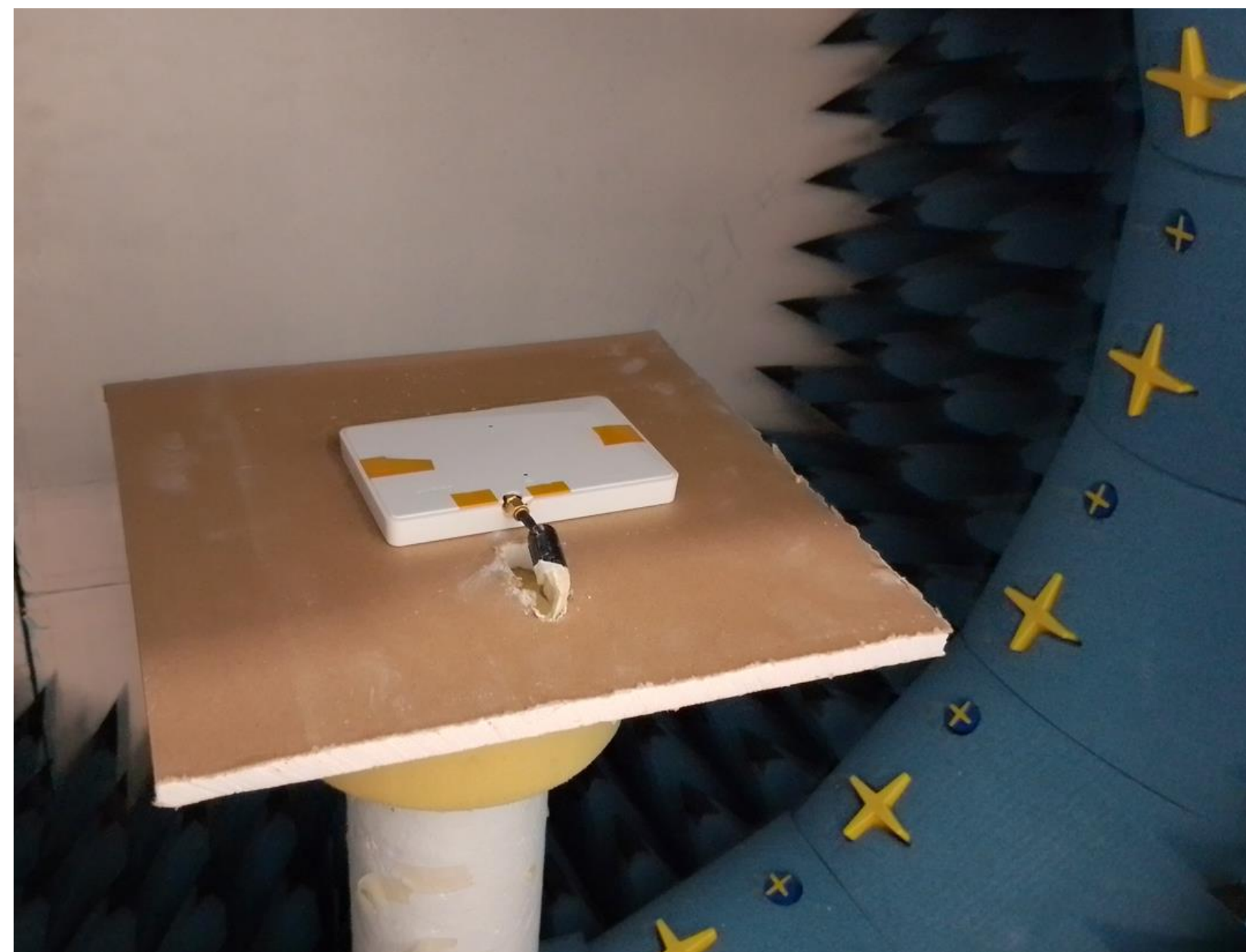


# Measurement setups

In free space



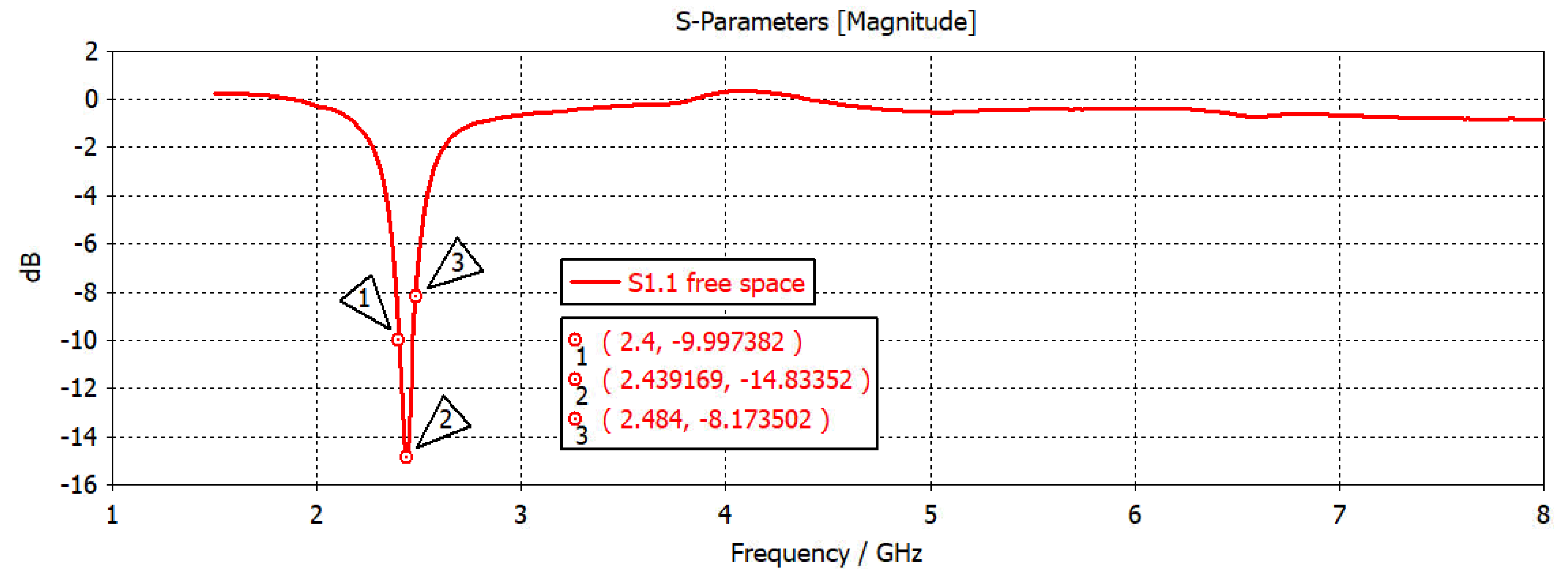
Beside gyproc



# S11

S11 at 2.4GHz band :

In free space = -10...-8.2 dB

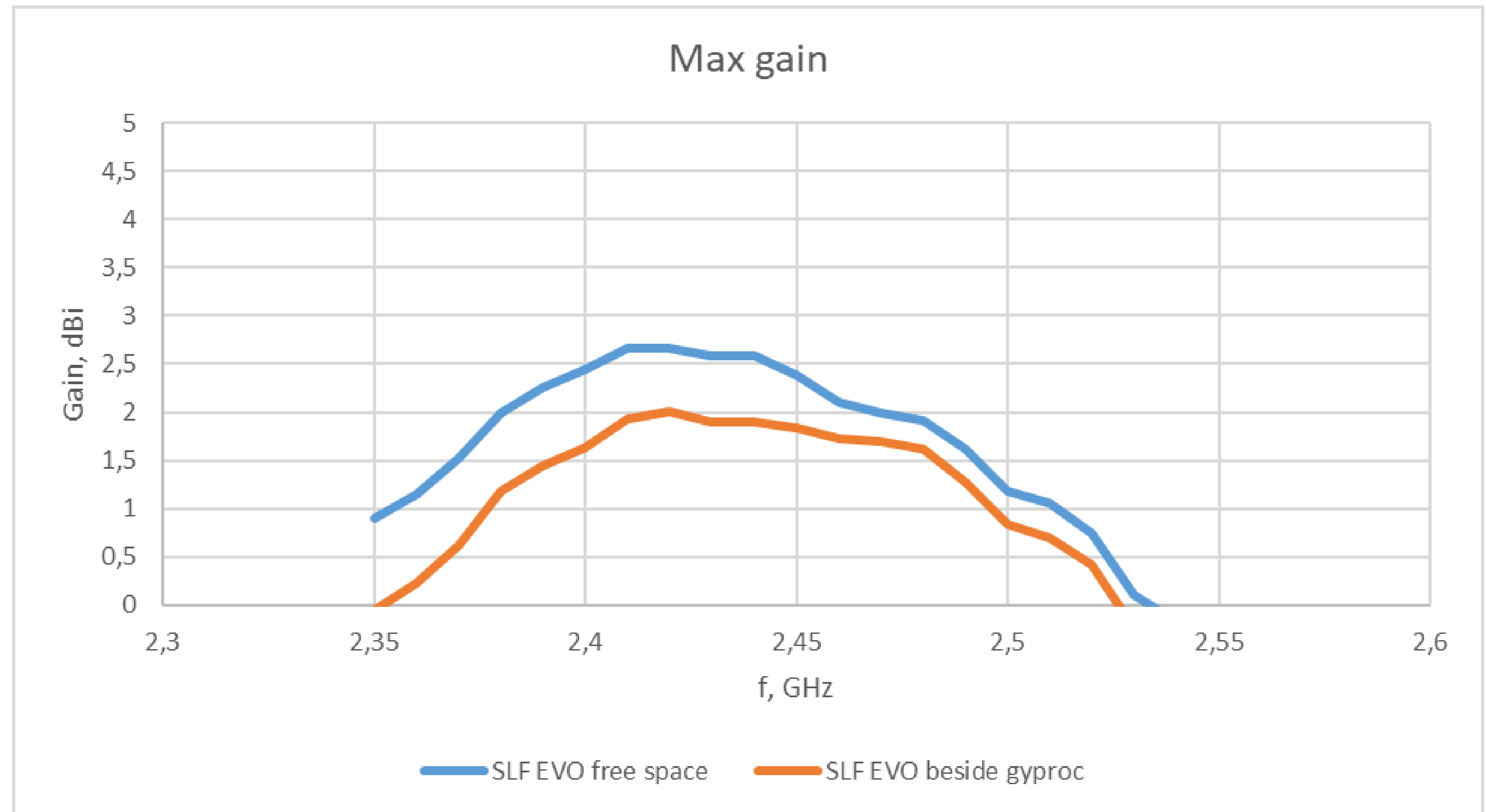


# Max gain

Max gain at 2.4GHz band :

In free space = +2.7 dBi

Beside gyproc = +2 dBi



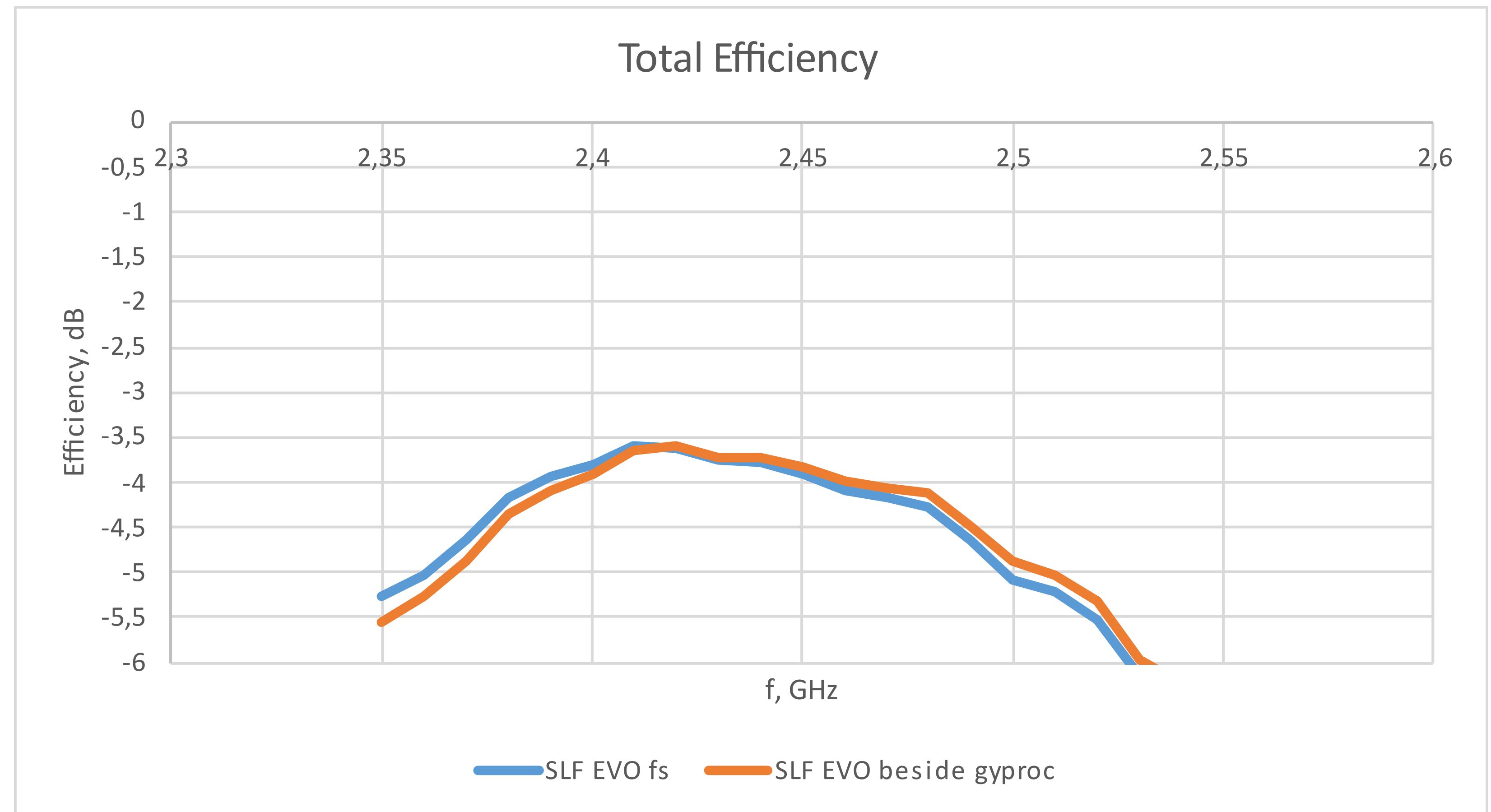


# Total efficiency

Total efficiency at 2.4GHz band:

In free space = -3.6...-4.5 dB

Beside gyproc = -3.6...-4.3 dB



# Radiation patterns

