



W3000 Gain simulation

PaRi

2023/12/21

Antenna Manufacturer: Pulse electronics, a YAGEO Company
Manufacturer Part number: W3000

Simulation information

- Pulse W3000 antenna
- 41.80 X 36.80 mm PCB with
7 x 16 mm ground opening for the antenna



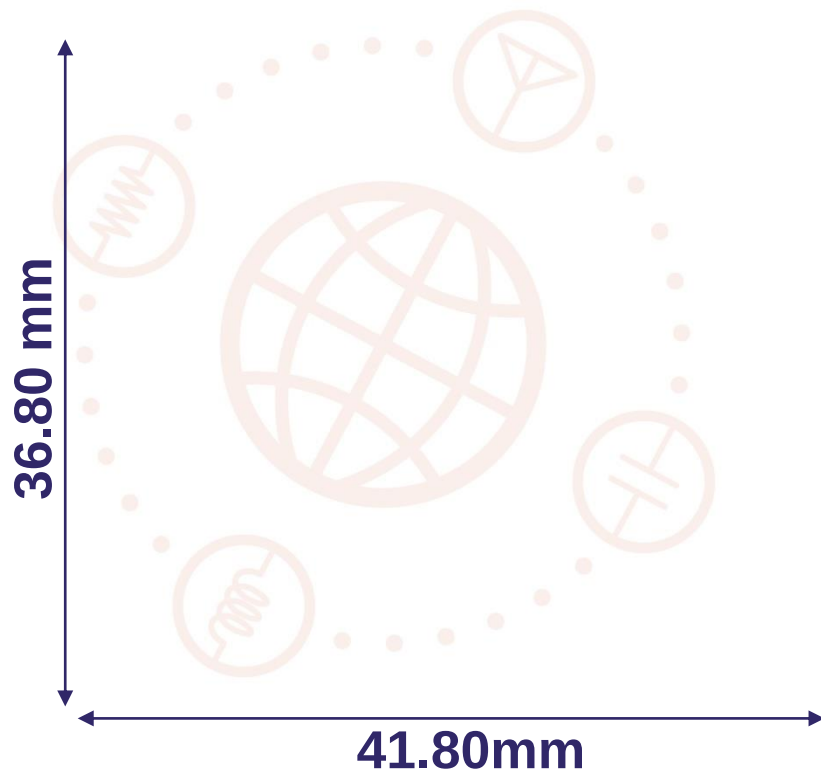
W3000
antenna



W3000

Customers tuning circuit

Simulation layout

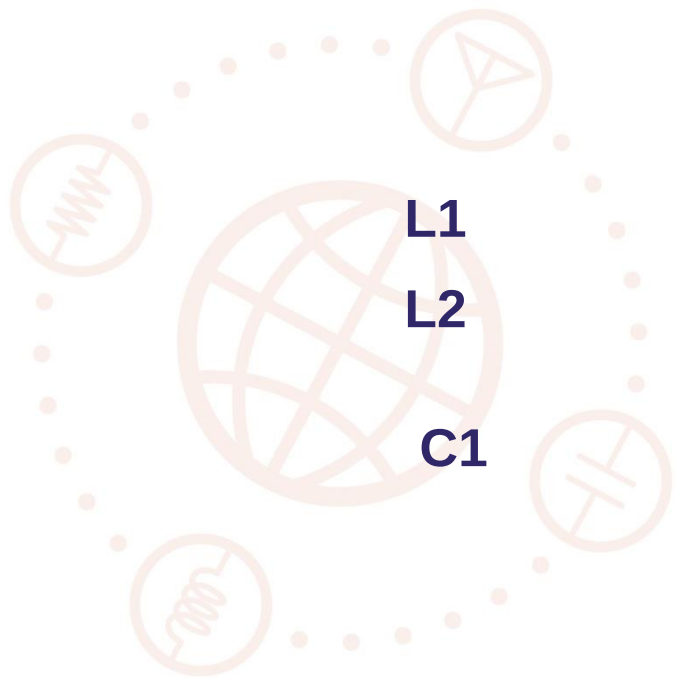


0.7 x 0.6mm pads
0.2 mm lines

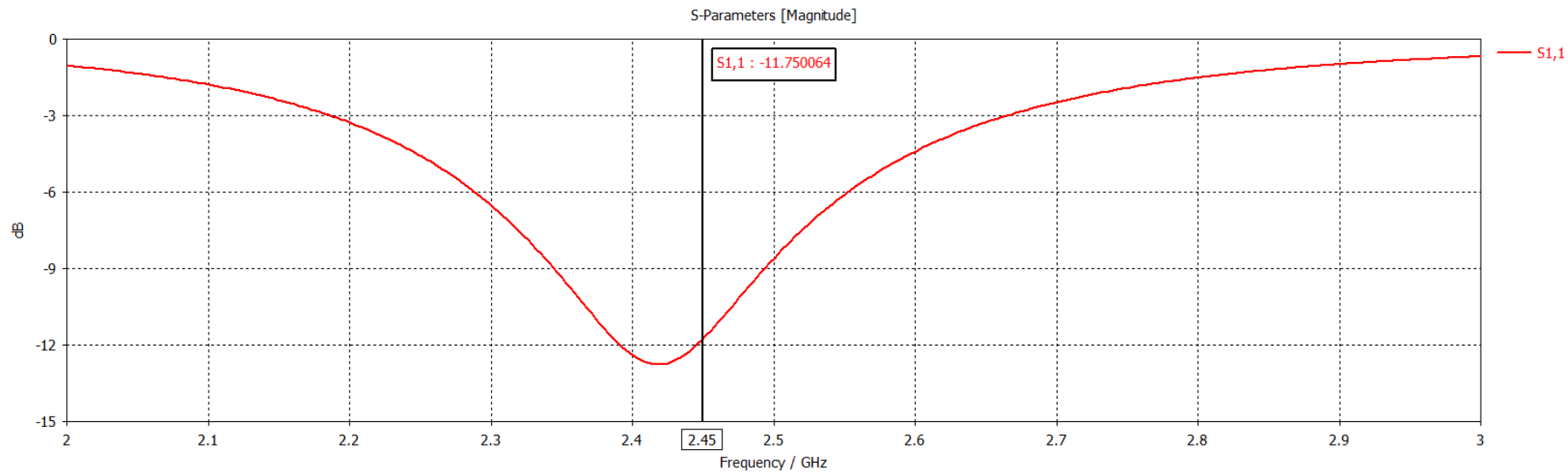
1.473mm

Tuning Circuit

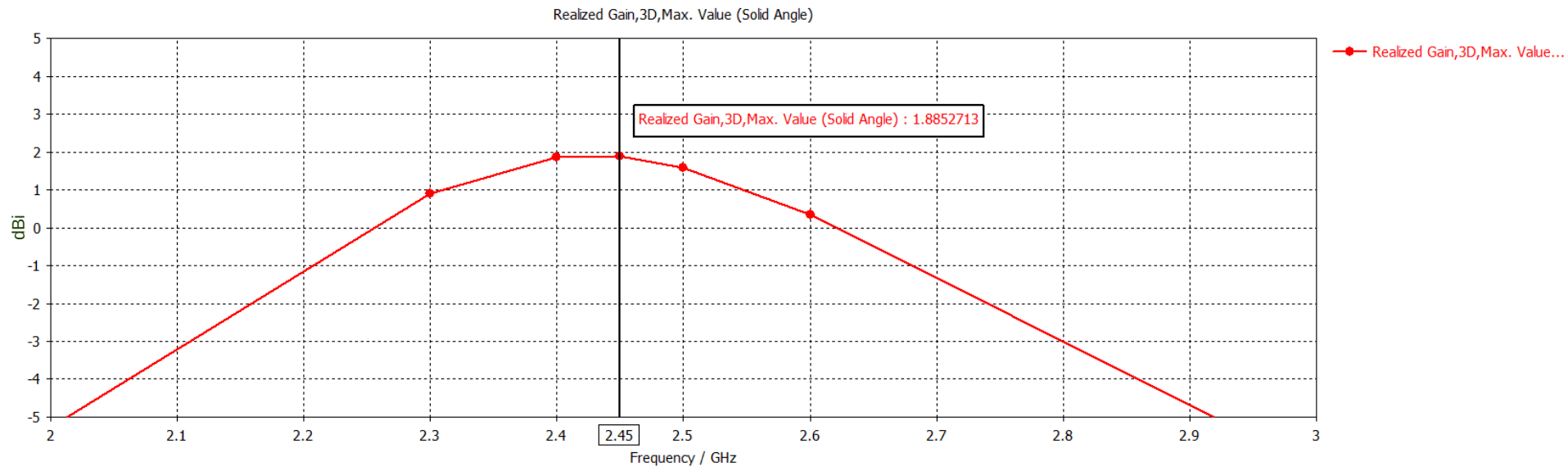
3.2nH used instead of 3.3nH as it was found from Murata LQW15-series.

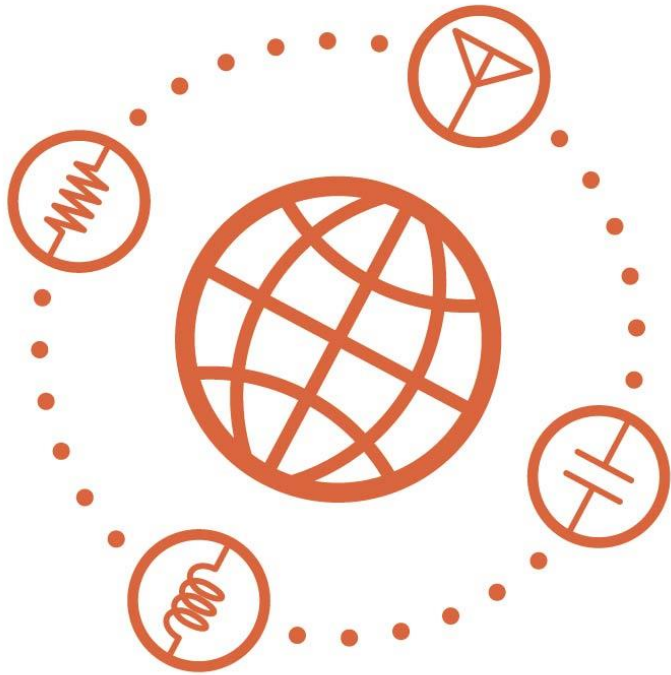


Return Loss



Simulated Gain





Thank you!