



# W3000 Gain simulation

PaRi

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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



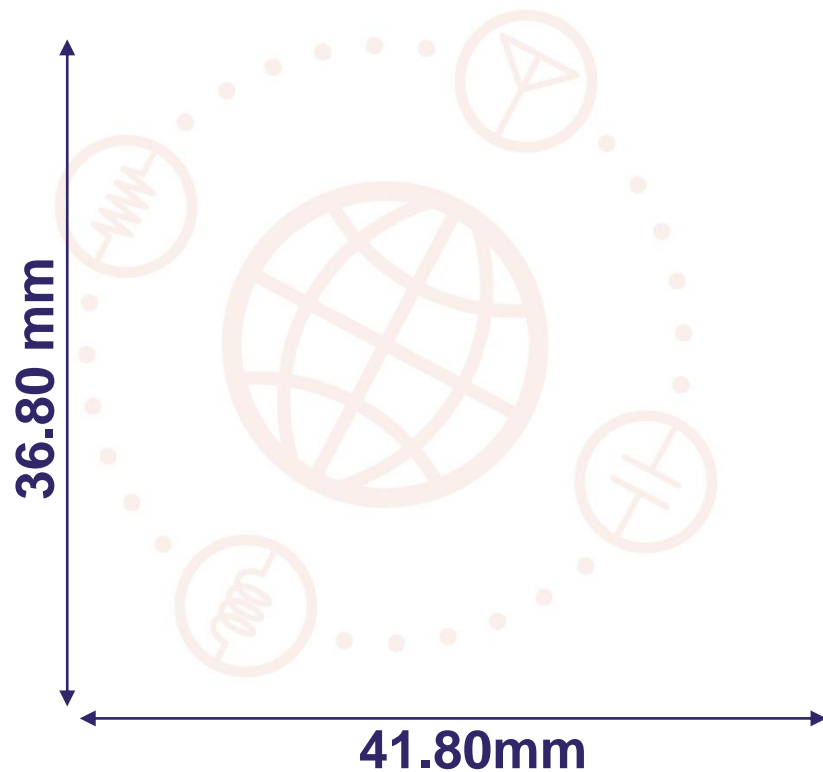
**W3000  
antenna**



**W3000**

**Customers tuning circuit**

# Simulation layout

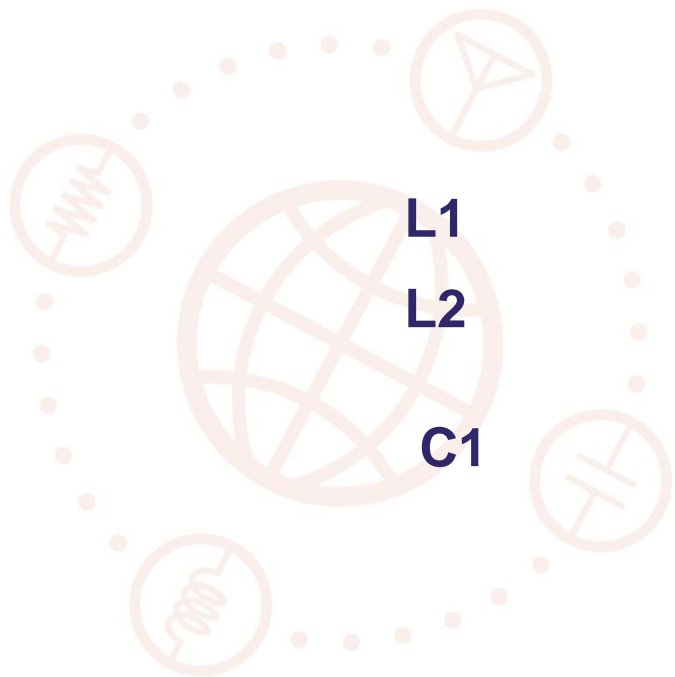


↔  
1.473mm

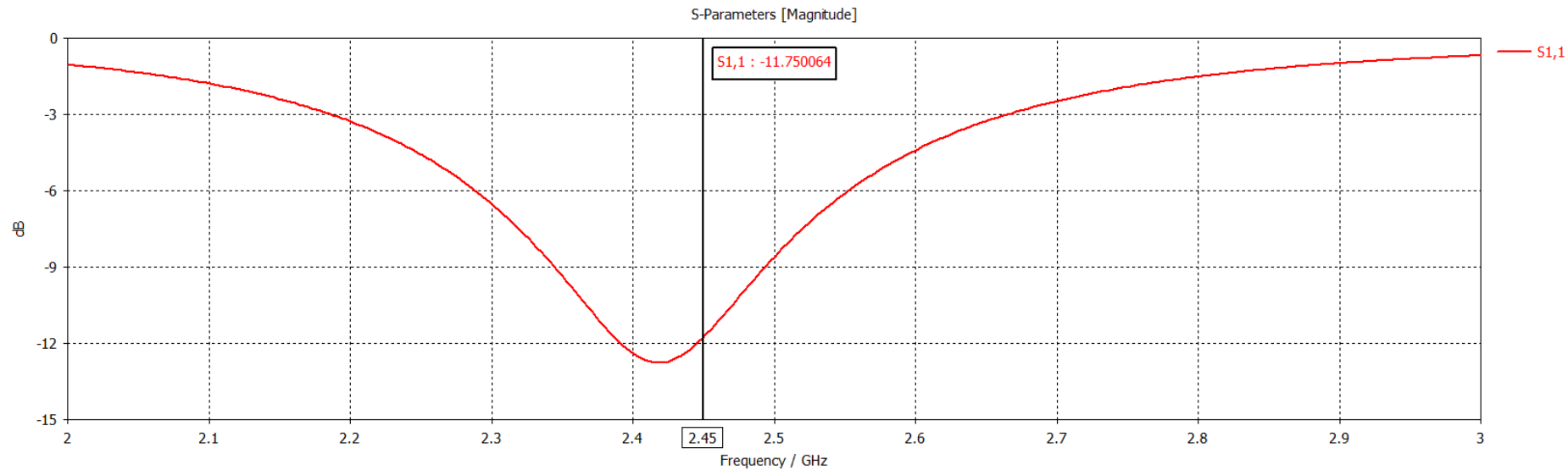
**0.7 x 0.6mm pads**  
**0.2 mm lines**

# Tuning Circuit

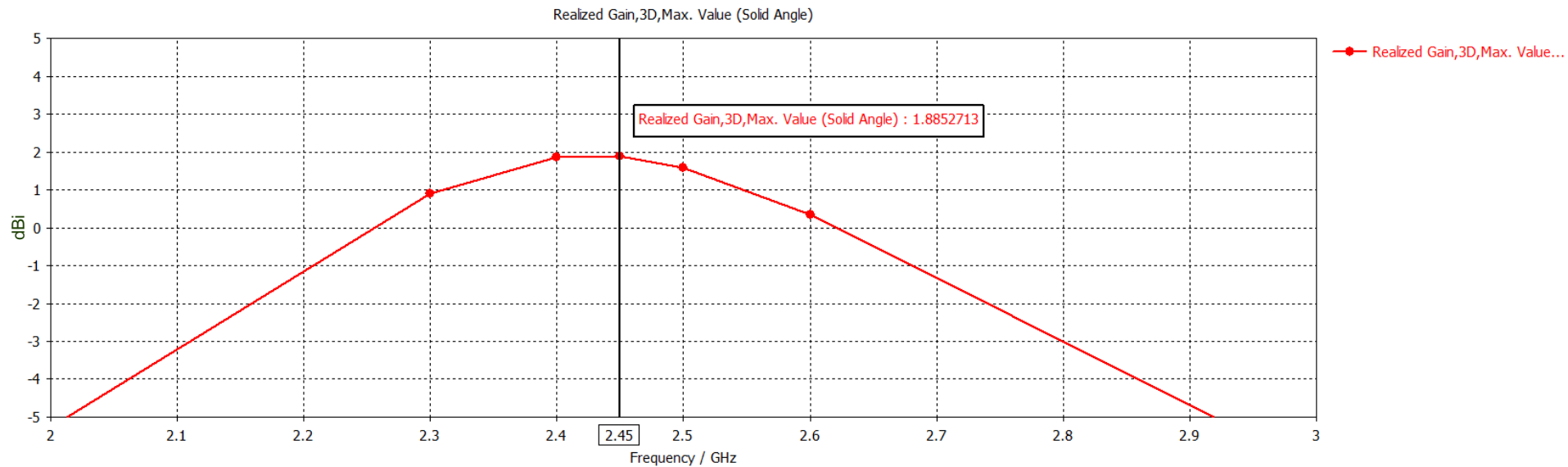
**3.2nH used instead of 3.3nH as it was found from Murata LQW15-series.**

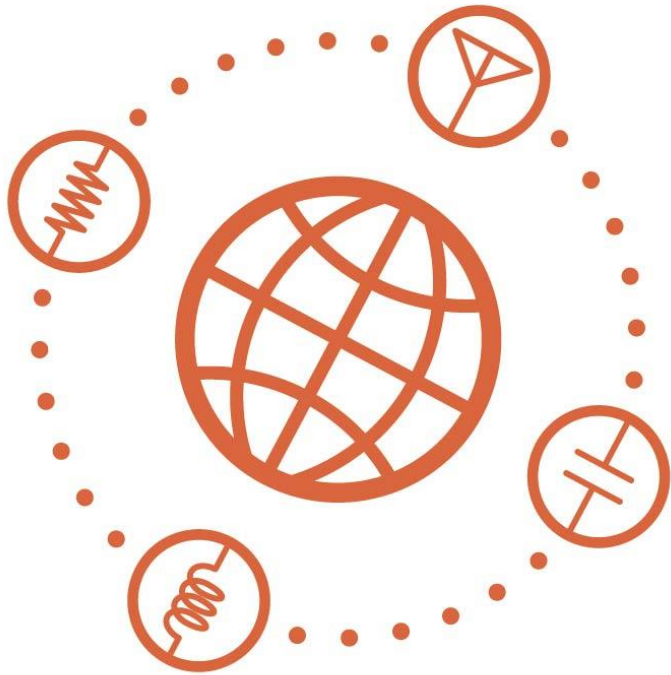


# Return Loss



# Simulated Gain





**Thank you!**