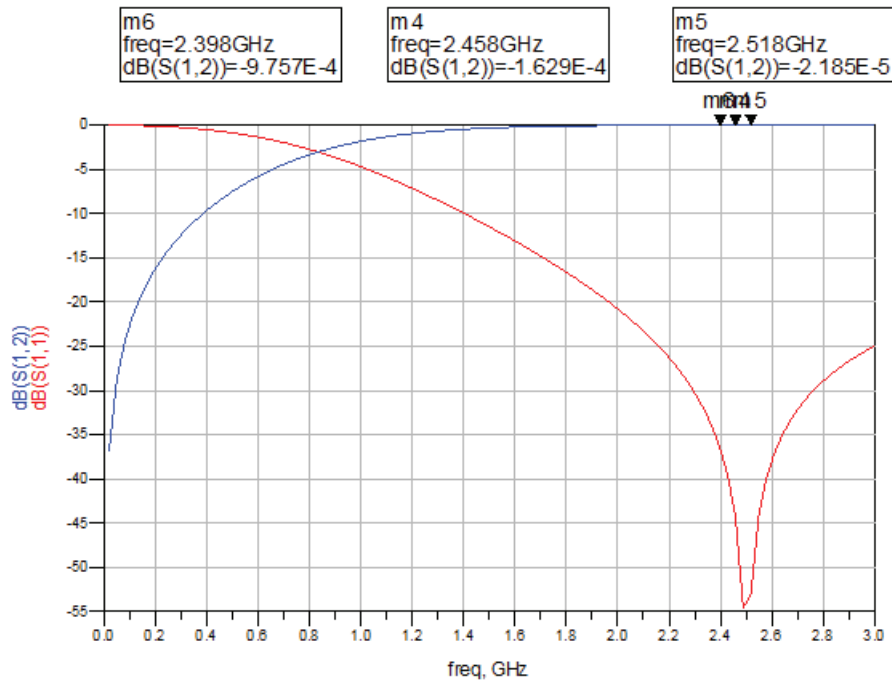
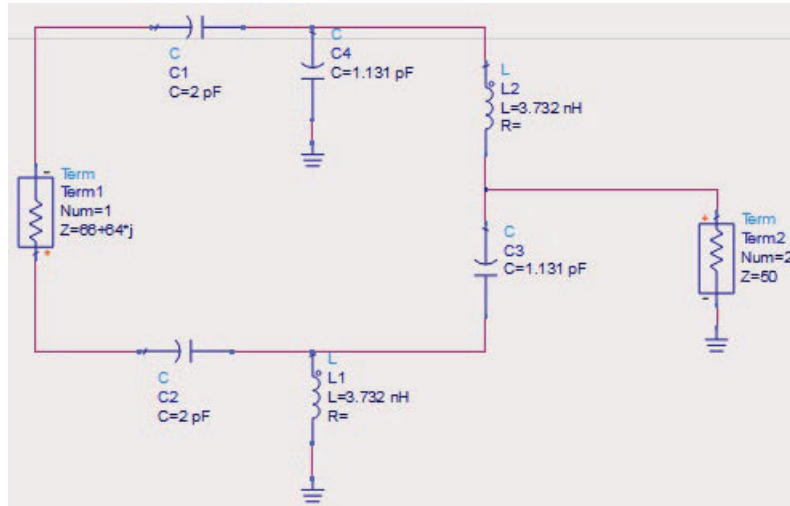




$$C = \frac{1}{X2\pi f_0} = \frac{1}{57.44562647 * 2 * \pi * (2.45 * 10^9)}$$
$$= 1.130829365 * 10^{-12} F \approx 1.131 pF$$

Finally, the design is shown in the following diagram:



According to the S (1,1) and S (1,2), the Differential Ended 66 Ohm is well matched to the Single Ended 50 Ohm. The two inductors and two capacitors of the lumped LC Balun are L1, L2 and C3, C4