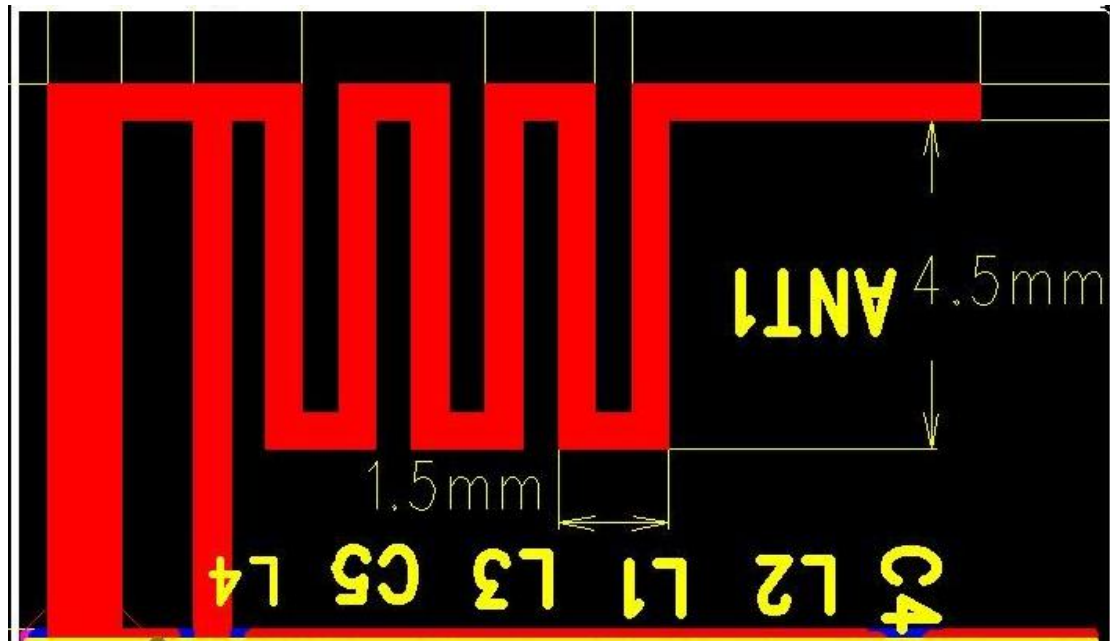


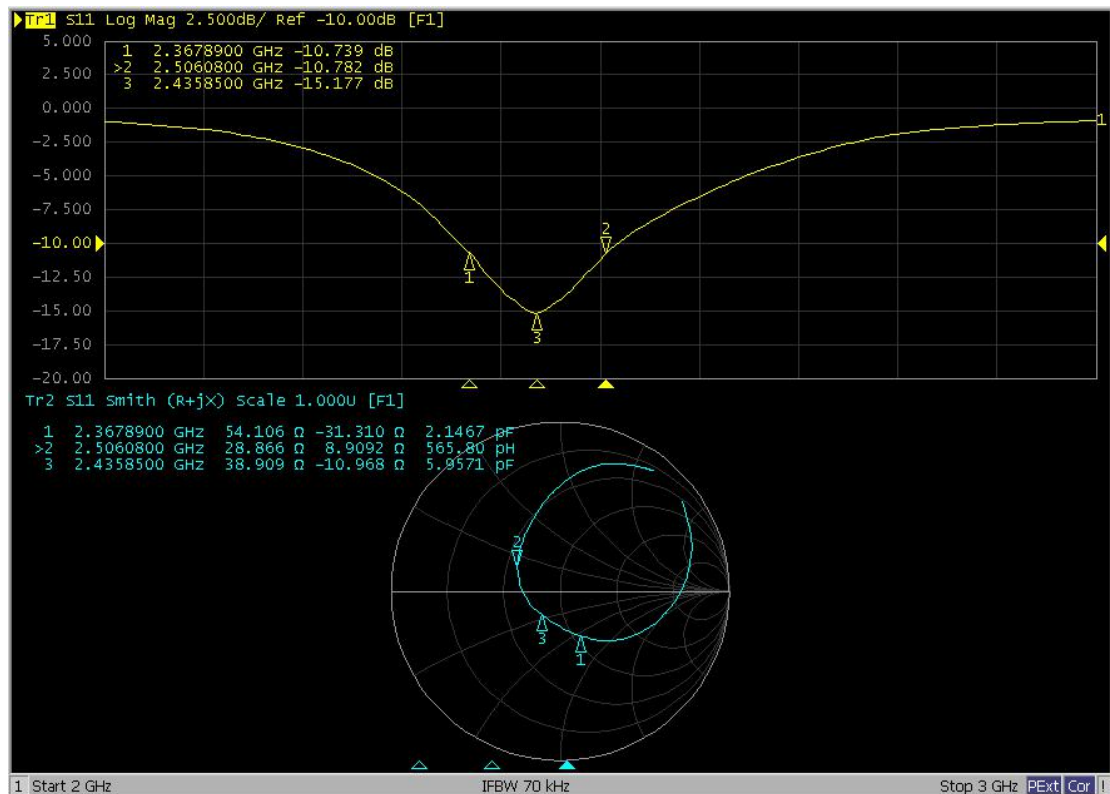
- Normal Dongle PIFA antenna design specification:

This PIFA antenna is used in normal dongle with whole layout board which size is 15mm*18mm and thickness is 1.0mm (FR4)



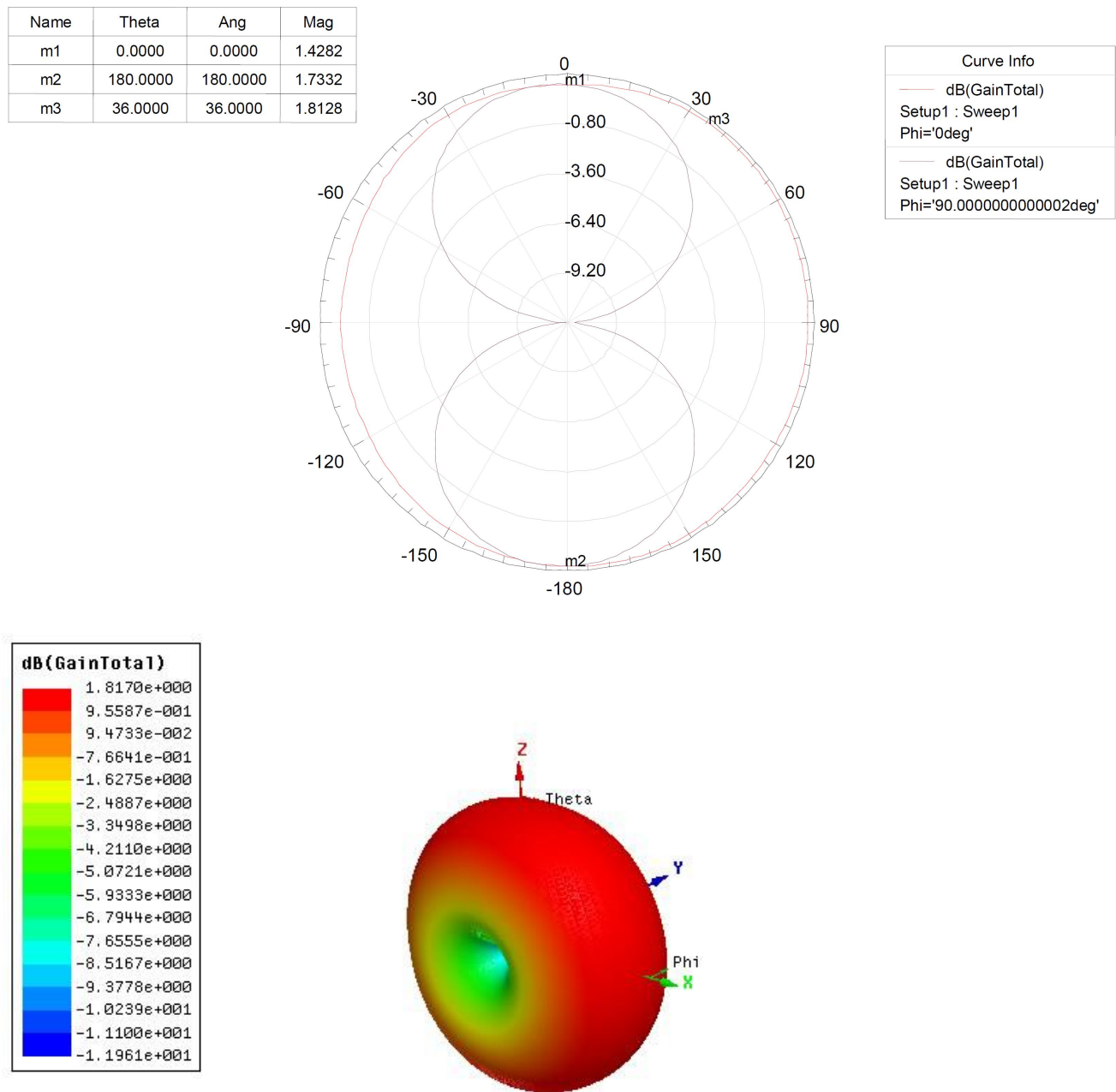
2-1 Normal Dongle PIFA Antenna

The performance of S11 as blow show and the working frequency band cover 2.4G ISM and bandwidth is wider than nano dongle.



2-2 Normal Dongle PIFA S11 performance

The gain of this antenna 2D and 3D as blow show and the maximum peak gain is 2.58 dBi (converted from measured linear data).



2-3 Normal Dongle PIFA gain