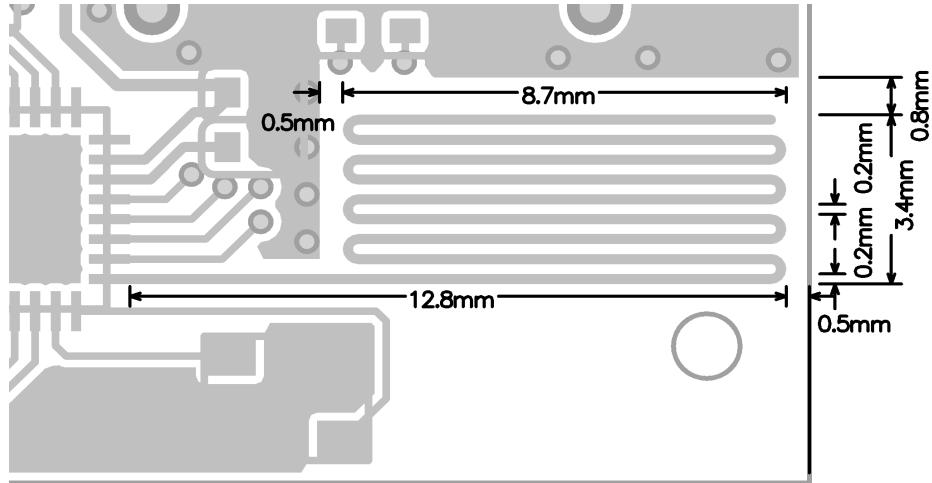


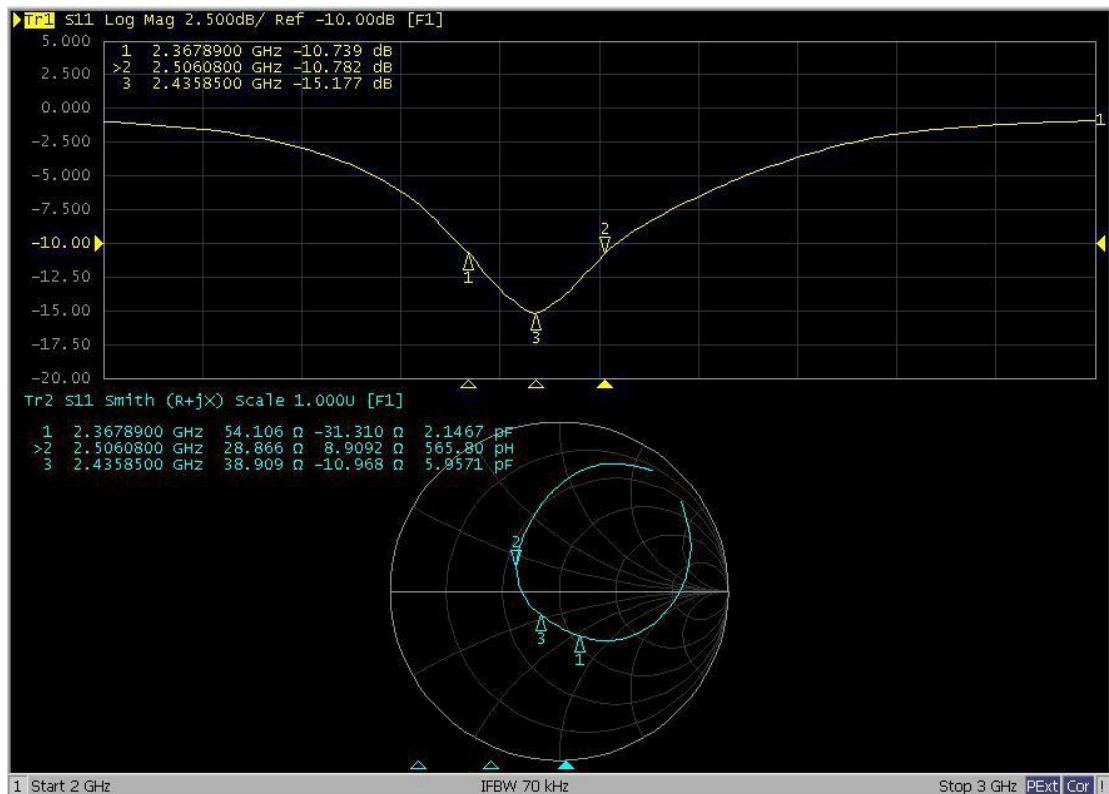
- CDB15 PIFA antenna design specification:

This PIFA antenna is used in HW-B01 modules with whole layout board which size is 8.7mm*3.4mm and thickness is 0.4mm (FR4)



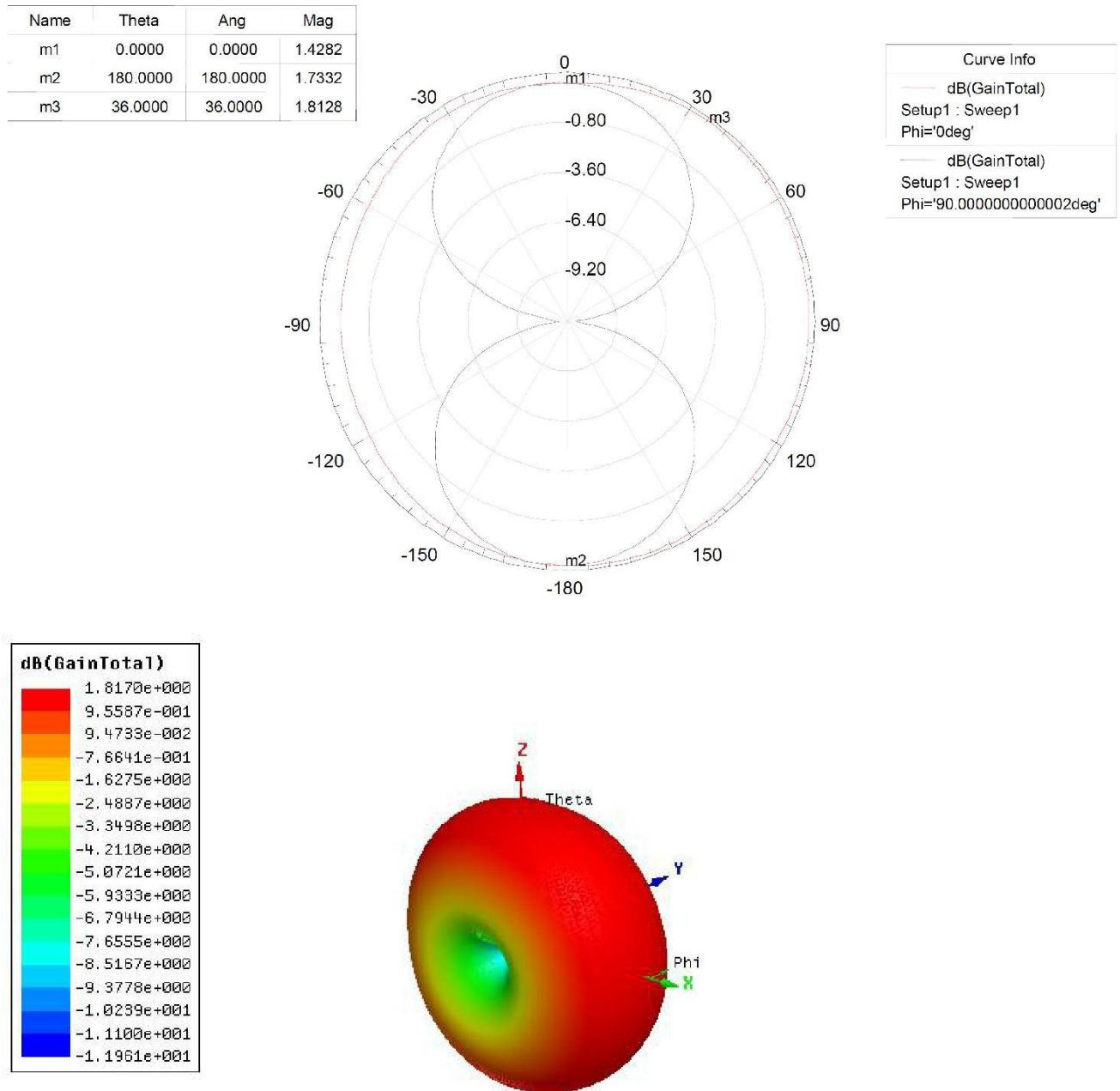
1.1 Normal Dongle PIFA Antenna

The performance of S11 HW-B01 as blow show and the working frequency band cover 2.4G ISM and bandwidth is wider than normal antenna.



1-2 Normal Dongle PIFA S11 performance

The gain of this antenna 2D and 3D as blow show and the maximum gain is about 1.81dB.



Plane	XY			XZ			YZ		
	2400	2440	2480	2400	2440	2480	2400	2440	2480
Peak Gain(dBi)	1.70	1.73	1.71	1.79	1.81	1.78	1.71	1.73	1.72

1-3 Normal Dongle PIFA gain