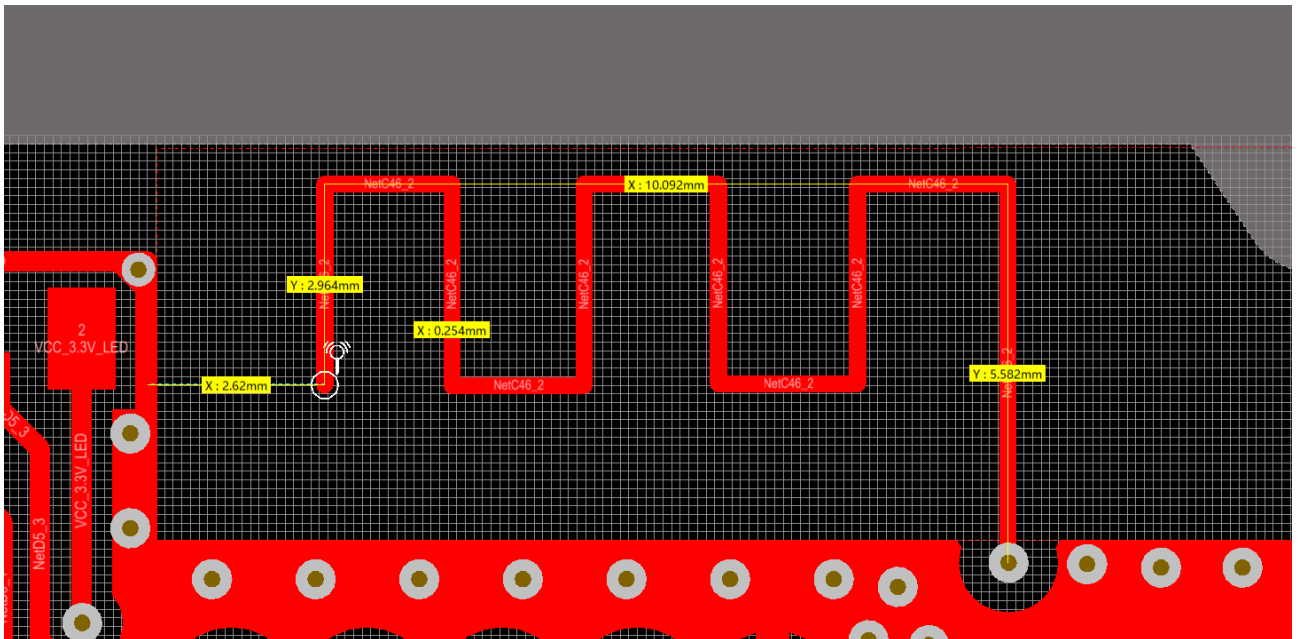




ACK05-B adopts on-board PCB antenna, the board is FR-4,  
2-layer board, board thickness 1.0mm

### 1. Antenna dimensional drawings:



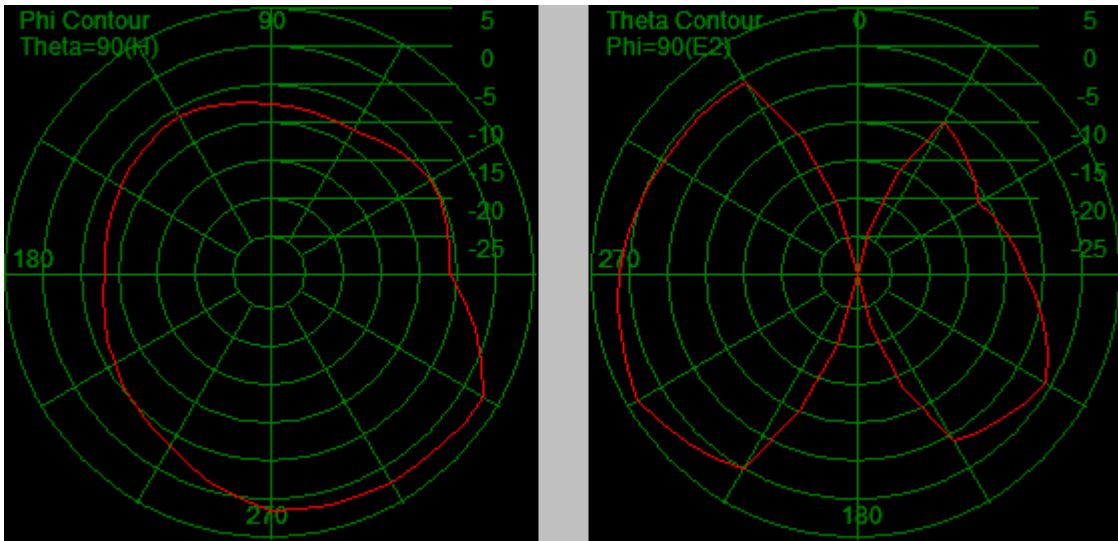
### 2. Antenna efficiency, gain

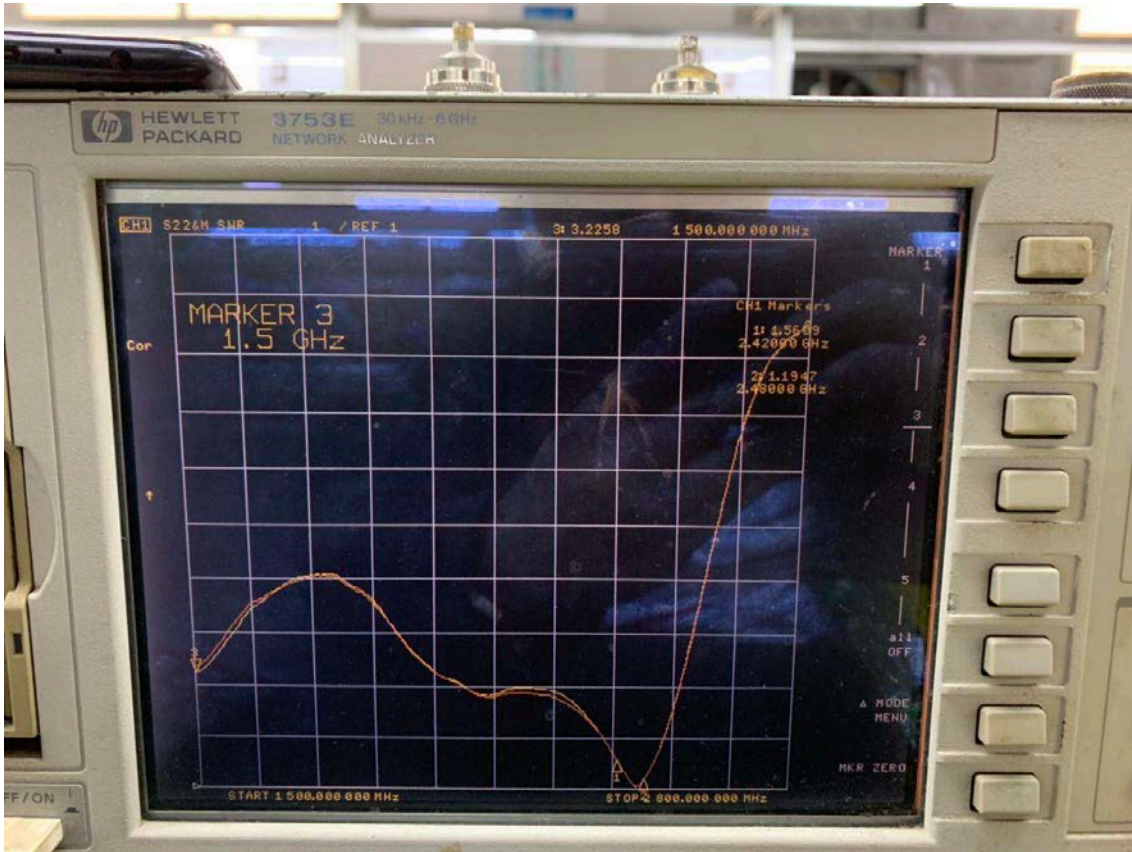
Test Point ID	Freq(Mhz)	Efficiency(%)	Gain(dBi)
1	2400	45.3%	2.34
2	2410	45.6%	2.67
3	2420	46.6%	2.69
4	2430	48.3%	2.72
5	2440	48.9%	2.84

6	2450	48.1%	2.92
7	2460	49.6%	2.95
8	2470	49.8%	3.00
9	2480	49.0%	2.85
10	2490	47.8%	2.77
11	2500	46.2%	2.43

### 3. Antenna Direction Diagram

2470MHz:





BT antenna VSWR graph