

# *A/B Card Bus Antenna Test Report*

## **I. Antenna Design**

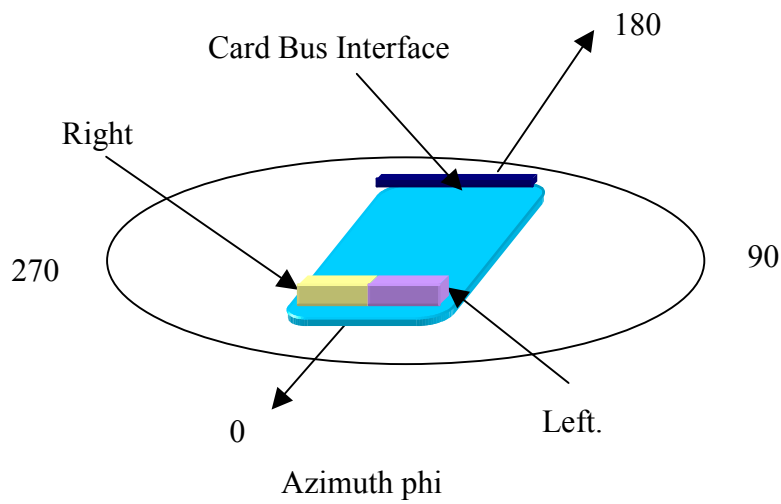
### 1.1 Antenna

#### **Antenna: PIFA Type**

Antenna description:

PIFA antenna be mounted on PCB

### 1.2 Position: as the following.



## **II. Antenna Specification**

### 2.1 VSWR

$$\text{VSWR} \leq 2.5$$

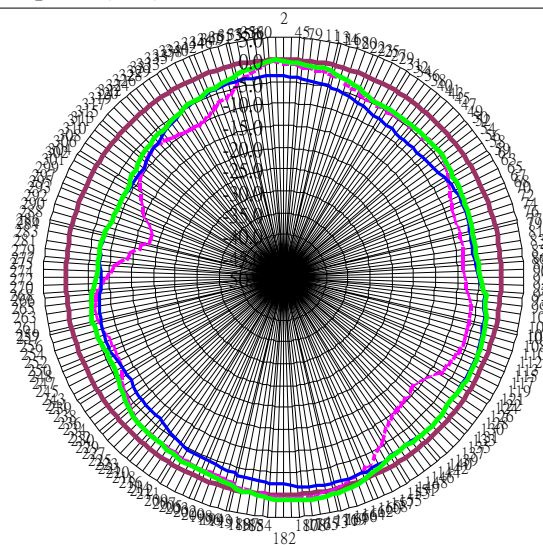
## 2.2 Peak Gain and Average Gain

|            |          | 2.40 GHz | 2.45 GHz | 2.50GHz | 5.15 GHz | 5.25 GHz | 5.35 GHz | 5.47 GHz | 5.647GHz | 5.825 GHz |
|------------|----------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|
| Left Ant.  | Peak dBi | 1.9      | 2.5      | 0.96    | -0.06    | -0.02    | 2.87     | -0.58    | -0.97    | -0.64     |
|            | Avg dBi  | -3.28    | -2.26    | -2.89   | -3.41    | -4.12    | -3.22    | -4.36    | -4.7     | -3.7      |
| Right Ant. | Peak dBi | 0.77     | 2.13     | 1.34    | -0.36    | 0.15     | 0.78     | -0.39    | -0.1     | 0.03      |
|            | Avg dBi  | -3.35    | -1.64    | -1.73   | -2.81    | -2.71    | -2.47    | -2.82    | -2.9     | -3.15     |

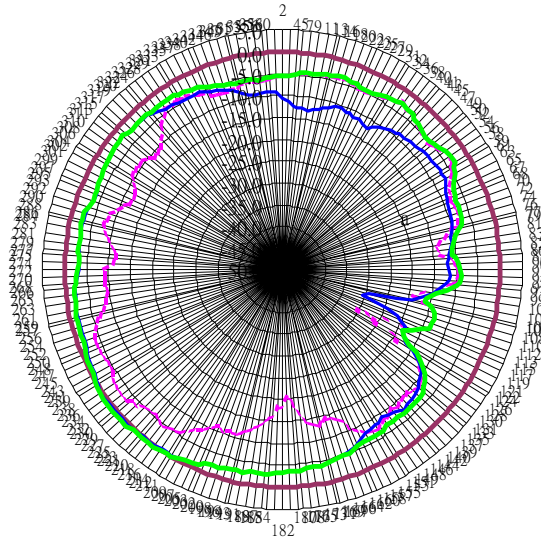
## 2.3 Radiation Pattern

*Left Antenna*

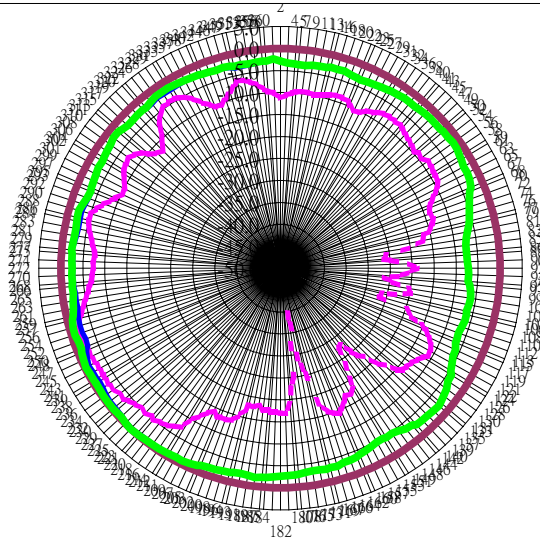
**Antenna Radiation pattern -@2.45GHz**



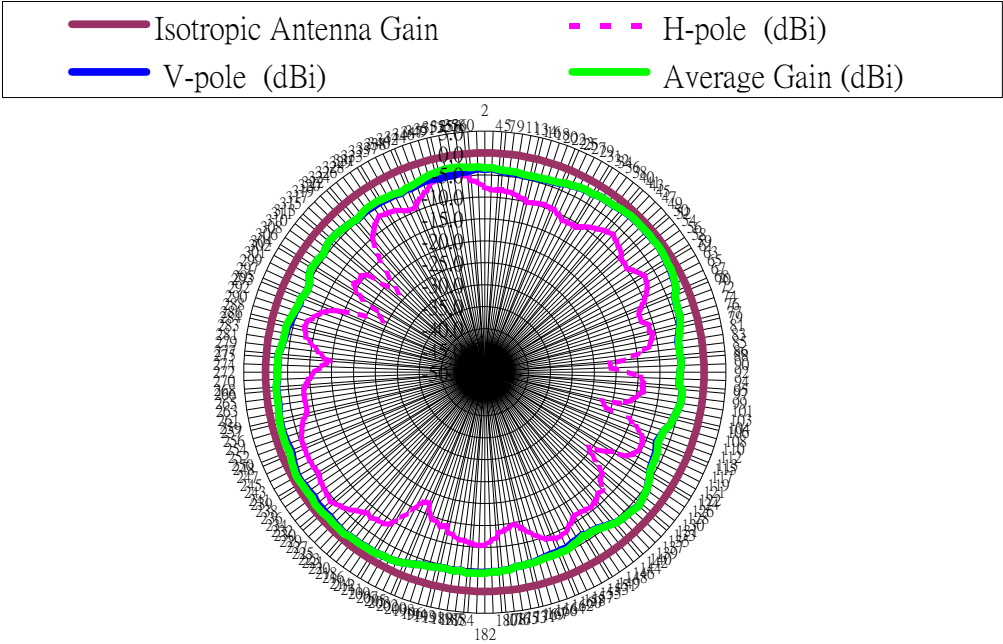
### Antenna Radiation pattern -@5.15GHz



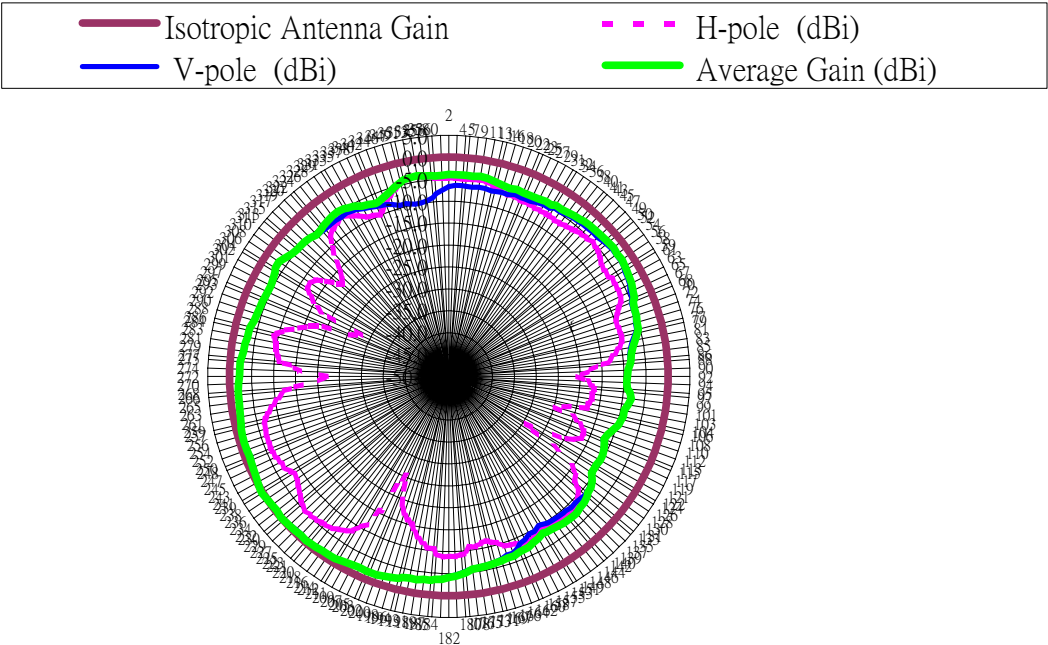
### Antenna Radiation pattern -@5.25GHz



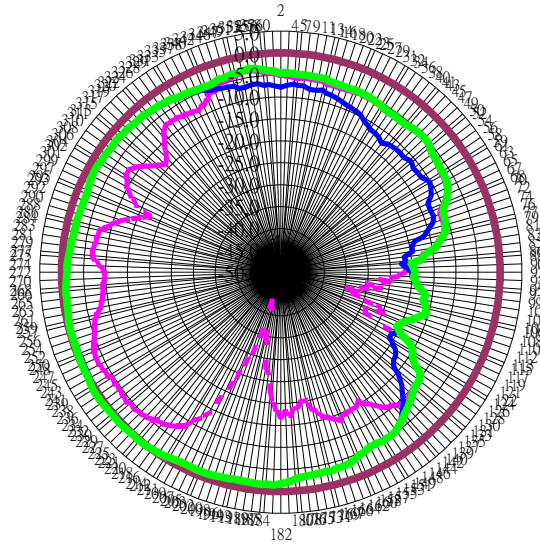
Antenna Radiation pattern -@5.35GHzz



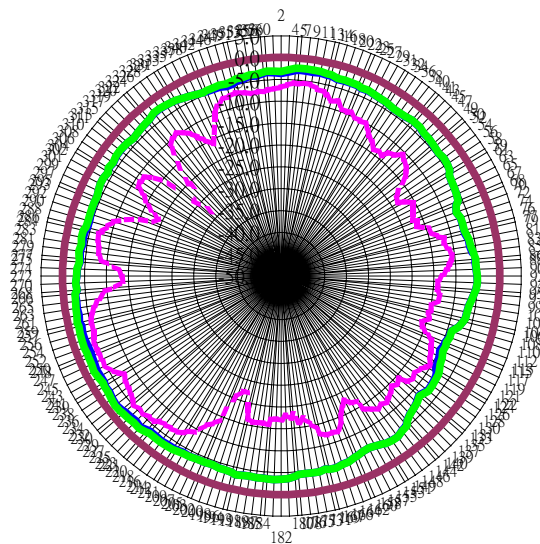
Antenna Radiation pattern -@5.47GHz



**Antenna Radiation pattern -@5.6475GHz**

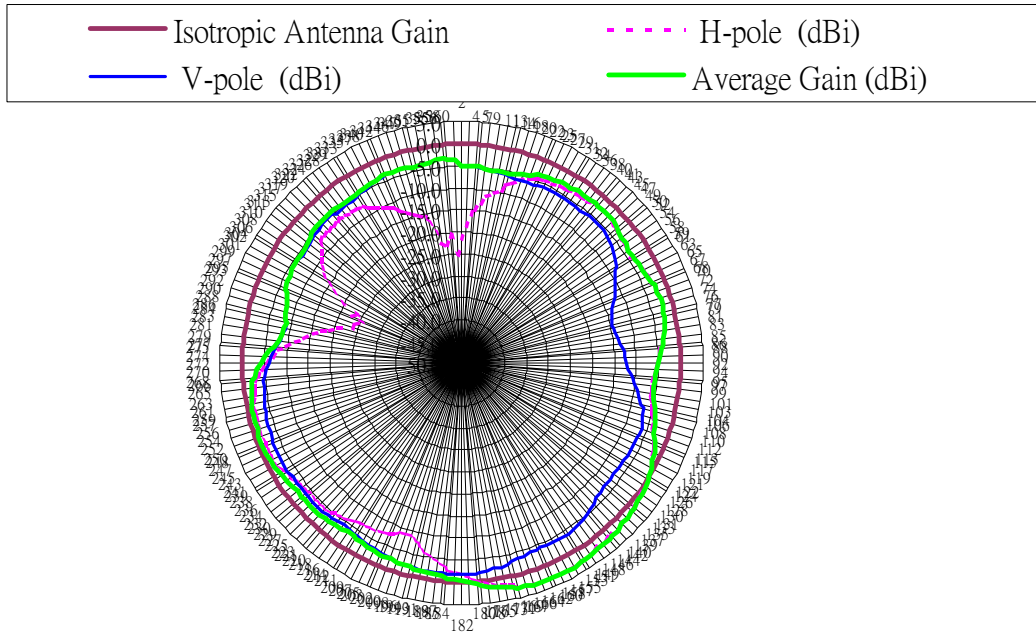


**Antenna Radiation pattern -@5.825GHz**

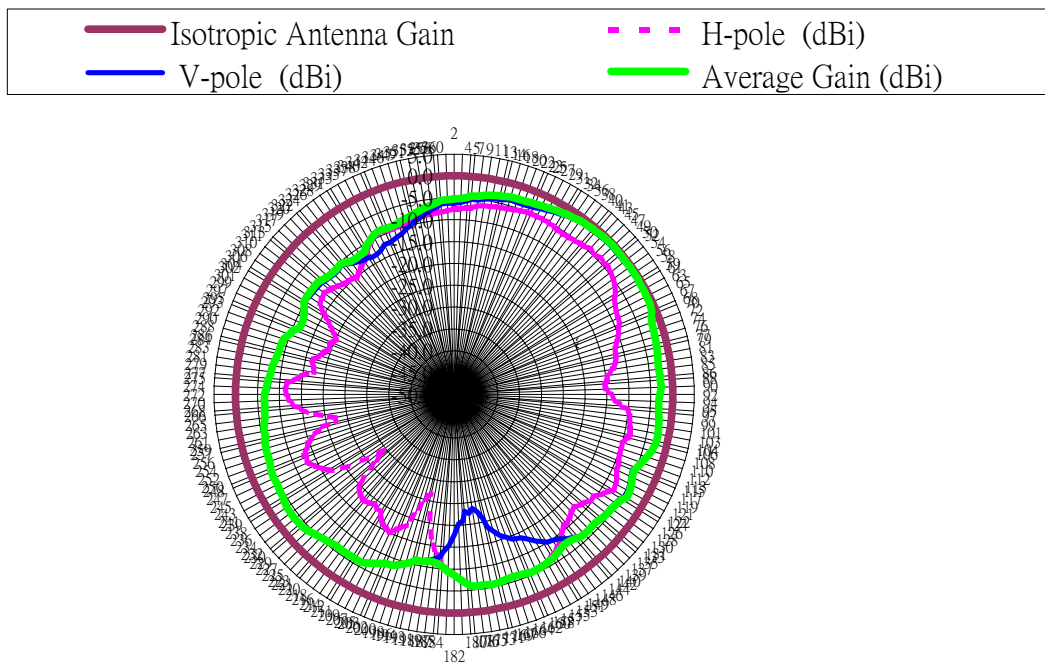


## Right Antenna

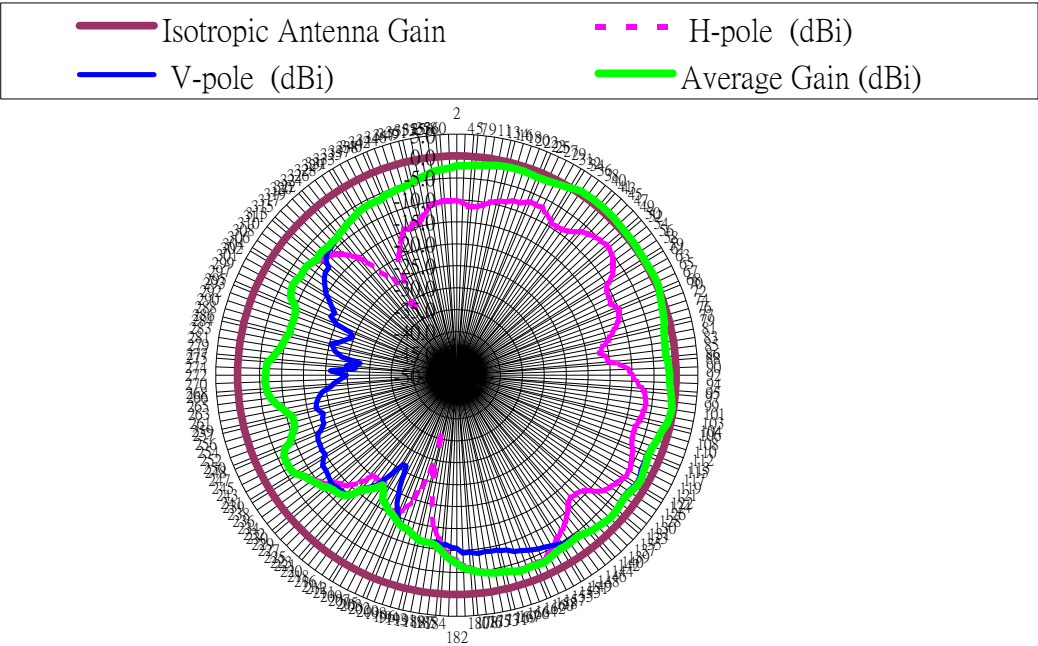
### Antenna Radiation pattern -@2.45GHz



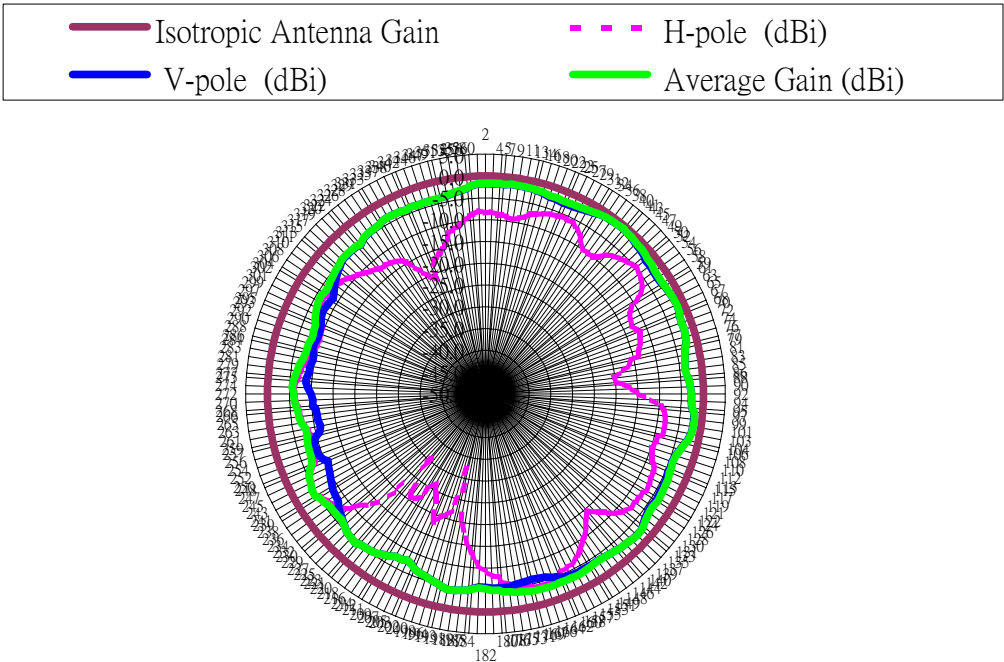
### Antenna Radiation pattern -@5.15GHz



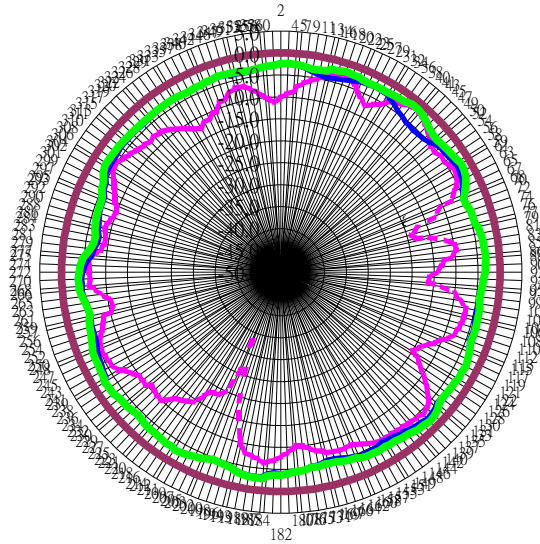
Antenna Radiation pattern -@5.25GHz



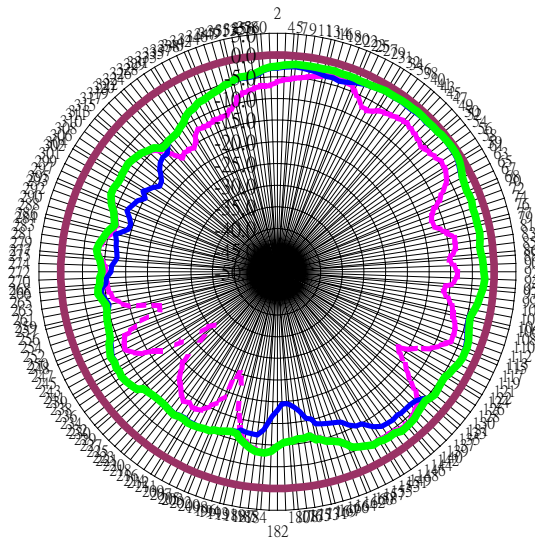
Antenna Radiation pattern -@5.35GHz



**Antenna Radiation pattern -@5.47GHz**



**Antenna Radiation pattern -@5.6475GHz**



**Antenna Radiation pattern -@5.825GHz**

