

A/B Card Bus Antenna Test Report

I. Antenna Design

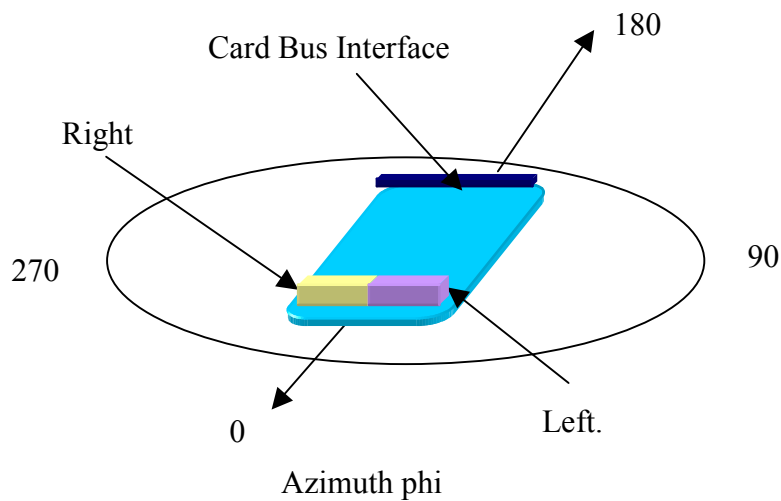
1.1 Antenna

Antenna: PIFA Type

Antenna description:

PIFA antenna be mounted on PCB

1.2 Position: as the following.



II. Antenna Specification

2.1 VSWR

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

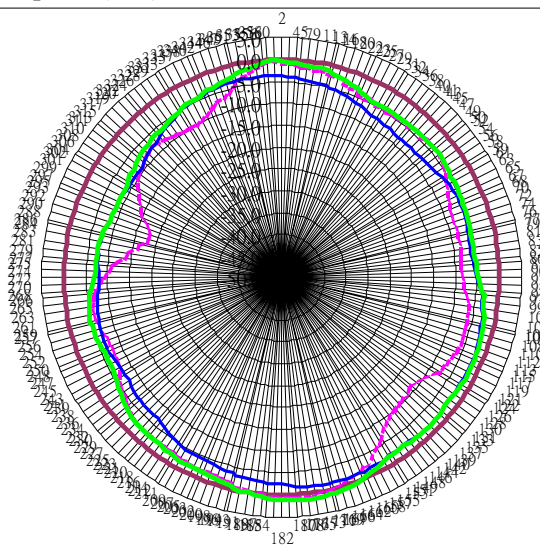
2.2 Peak Gain and Average Gain

		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

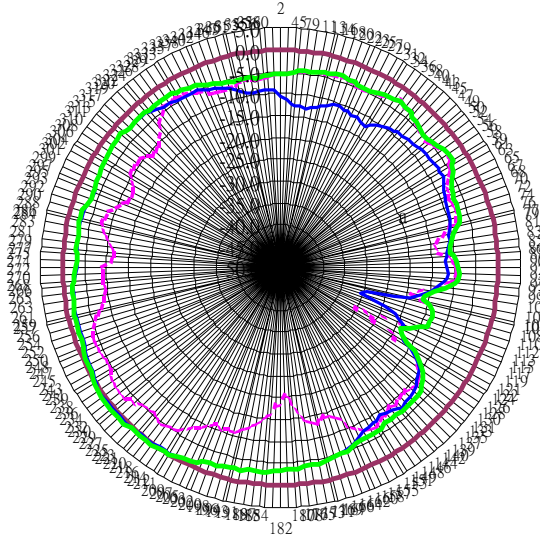
2.3 Radiation Pattern

Left Antenna

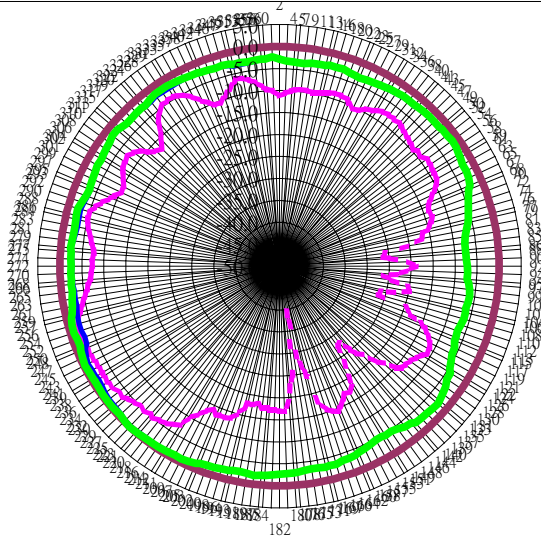
Antenna Radiation pattern -@2.45GHz



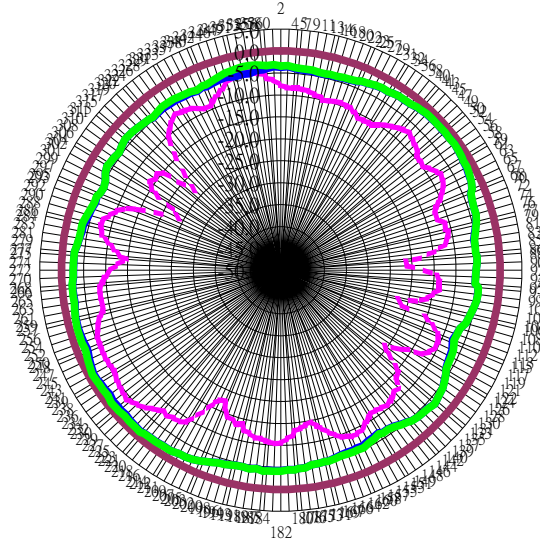
Antenna Radiation pattern -@5.15GHz



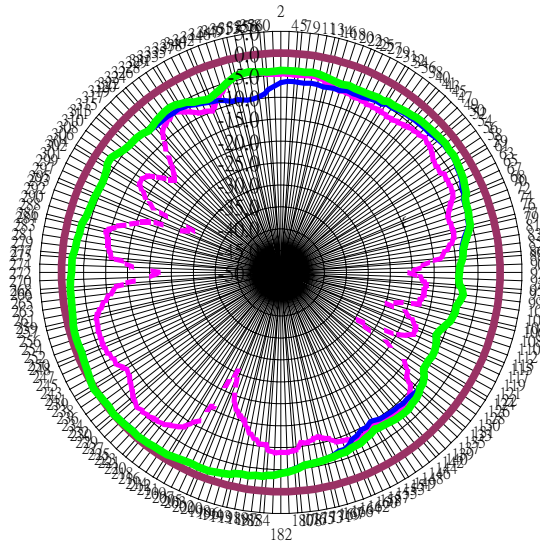
Antenna Radiation pattern -@5.25GHz



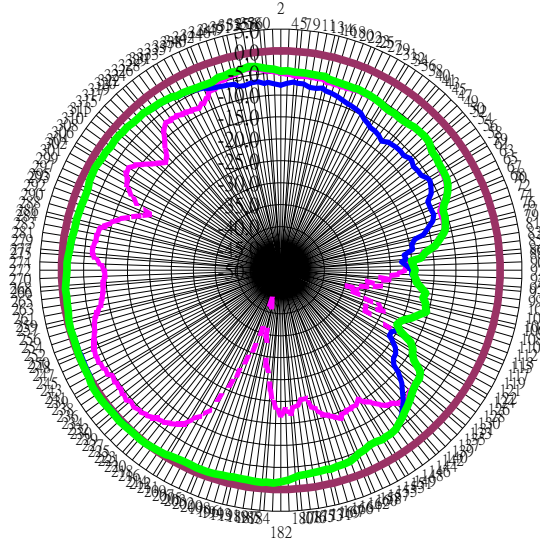
Antenna Radiation pattern -@5.35GHz



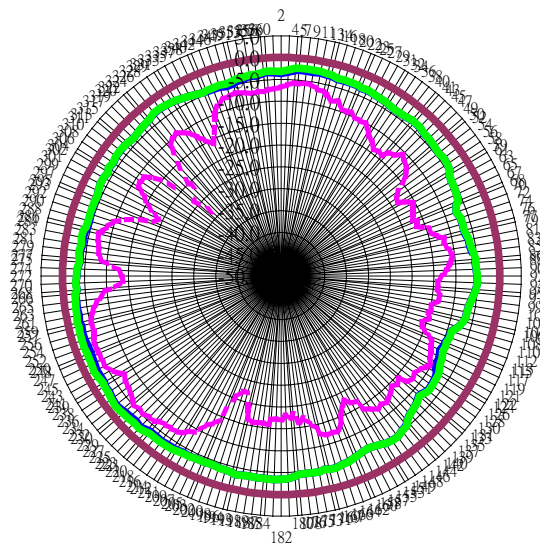
Antenna Radiation pattern -@5.47GHz



Antenna Radiation pattern -@5.6475GHz

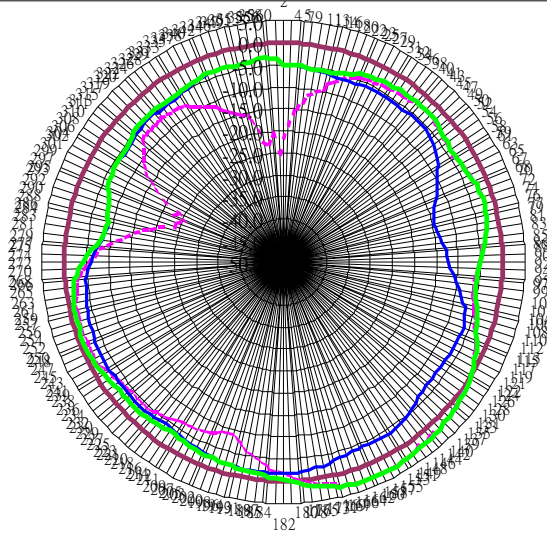


Antenna Radiation pattern -@5.825GHz

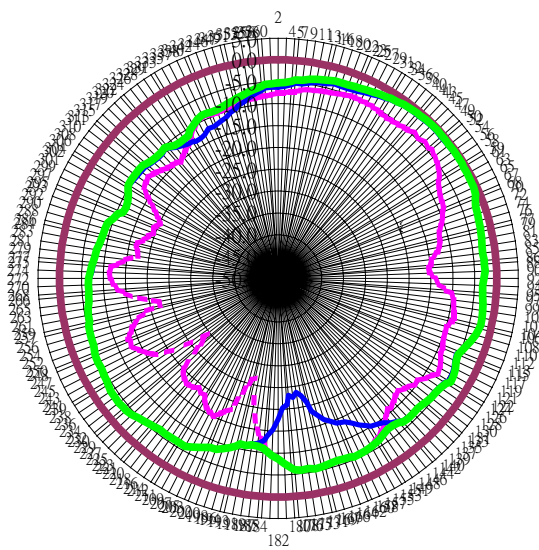


Right Antenna

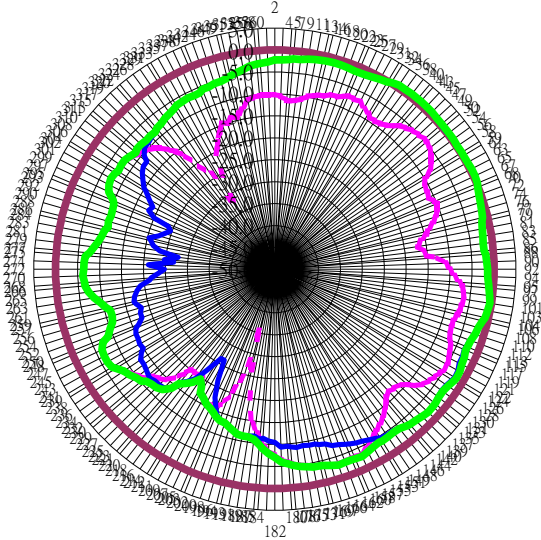
Antenna Radiation pattern -@2.45GHz



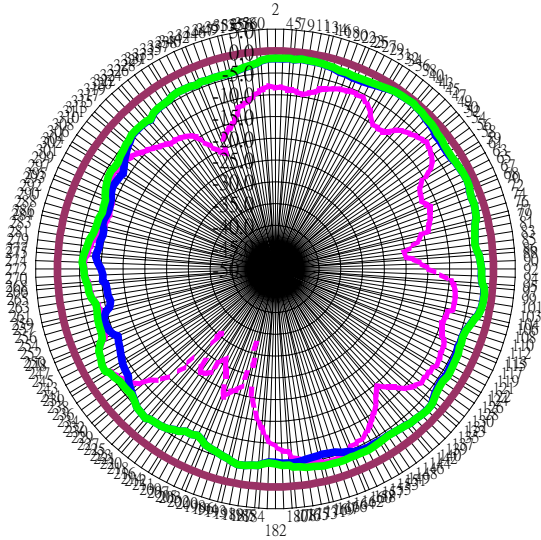
Antenna Radiation pattern -@5.15GHz



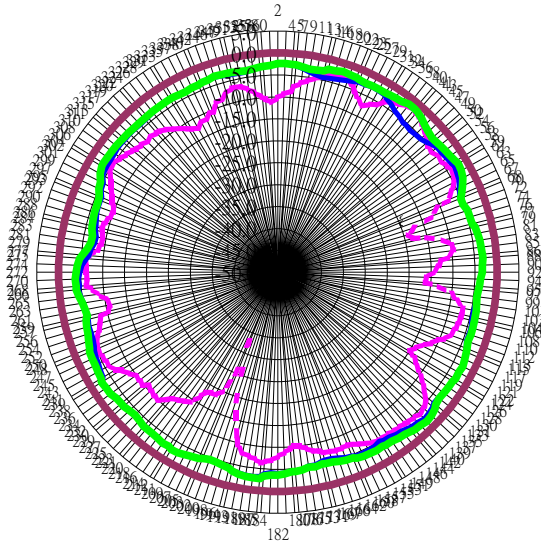
Antenna Radiation pattern -@5.25GHz



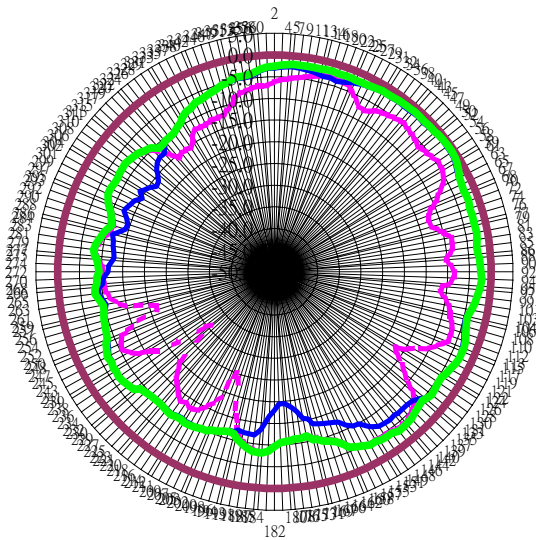
Antenna Radiation pattern -@5.35GHz



Antenna Radiation pattern -@5.47GHz



Antenna Radiation pattern -@5.6475GHz



Antenna Radiation pattern -@5.825GHz

