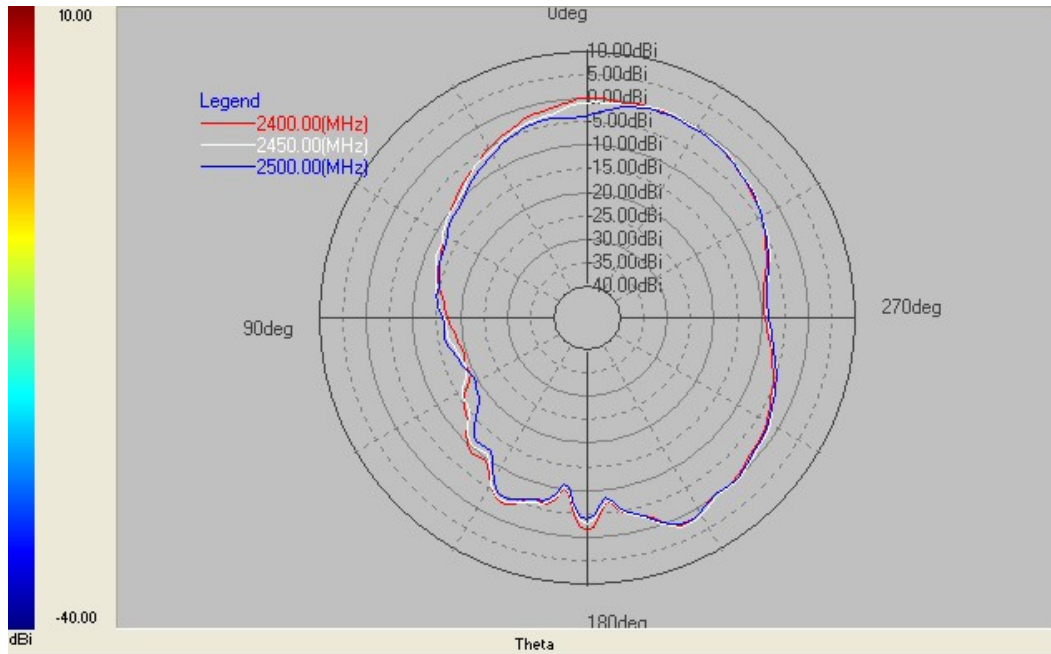


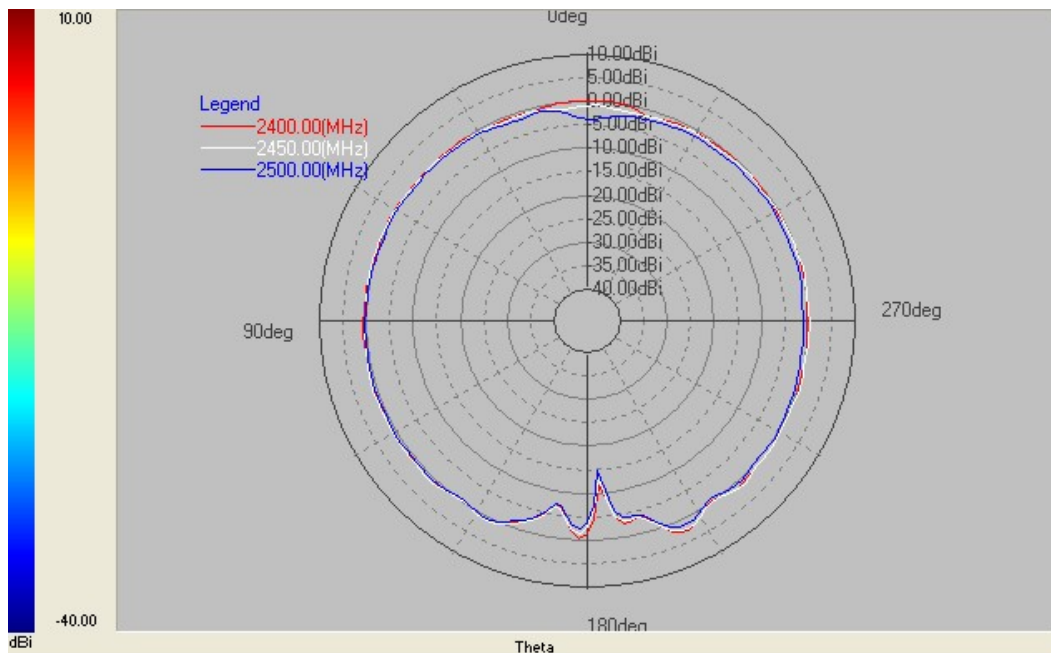
1. 2D patterns

1.1 USB 1 (84461)

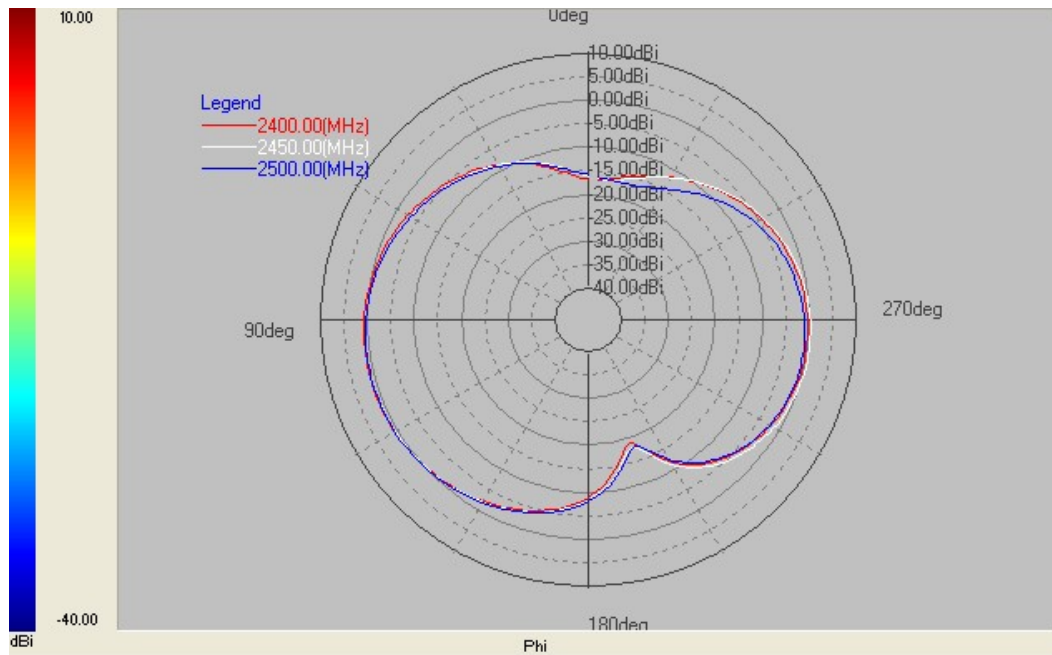
2.4~2.5GHz



X-Z Plane (E-total)



Y-Z Plane (E-total)



X-Y Plane (E-total)

2 Summary

2.1 Return Loss

	USB 1 (dB)
2.4GHz	-12.6dB
2.45GHz	-18.9dB
2.5GHz	-14.1dB

2.2 3D total Peak Gain & Efficiency

Frequency	USB 1	
	Peak Gain (dBi)	Efficiency (%)
2.4GHz	2.56	59.87
2.45GHz	2.16	61.06
2.5GHz	1.60	54.61

2.3 Average Gain

Frequency	USB1		
	X-Z	Y-Z	X-Y
2.4GHz	-5.19	-0.38	-4.30
2.45GHz	-5.16	-0.49	-4.15
2.5GHz	-5.72	-1.11	-4.67

(unit : dBi)