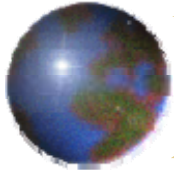


BlueTooth Antenna Test Report

Choro.Chung

2006/09/19

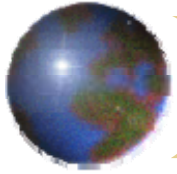


Summary

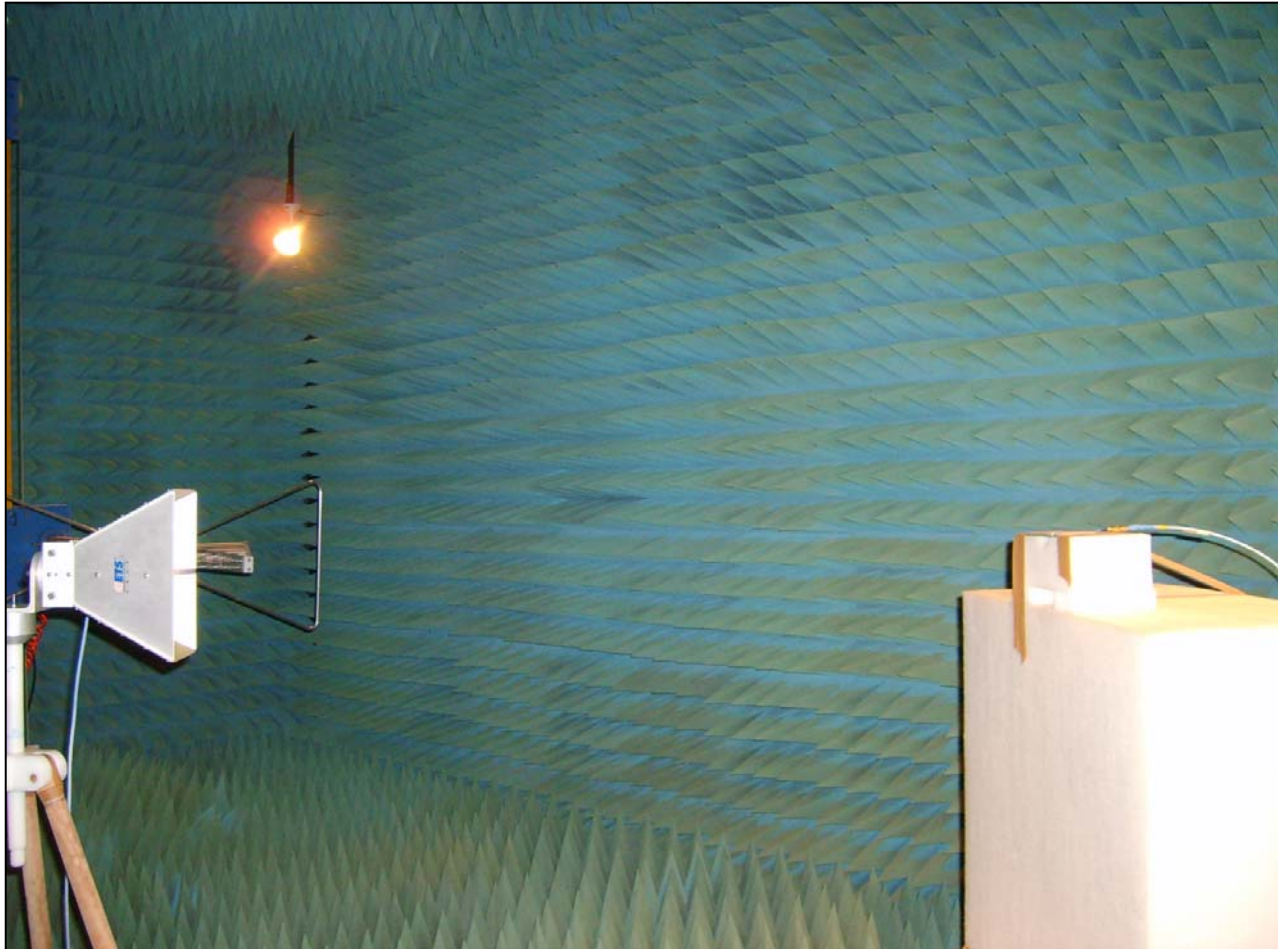
Test Setup I (DUT lie down)			
Frequency(MHz)		Horizontal (dBi)	Vertical (dBi)
2402	Max.	1.06	-5.9
	Avg.	-3.72	-11.12
2441	Max.	2.05	-5.88
	Avg.	-3.31	-11.02
2480	Max.	1.33	-5.47
	Avg.	-4.23	-11.00

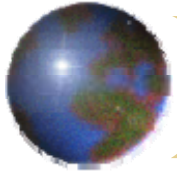
Test Setup II (DUT stand up)			
Frequency(MHz)		Horizontal (dBi)	Vertical (dBi)
2402	Max.	-2.42	1.29
	Avg.	-7.67	-3.16
2441	Max.	-4.00	2.22
	Avg.	-8.22	-2.42
2480	Max.	-3.95	1.55
	Avg.	-8.66	-3.00

P.S. The loss of W.FL RF cable not included, and estimated -0.5dB loss.

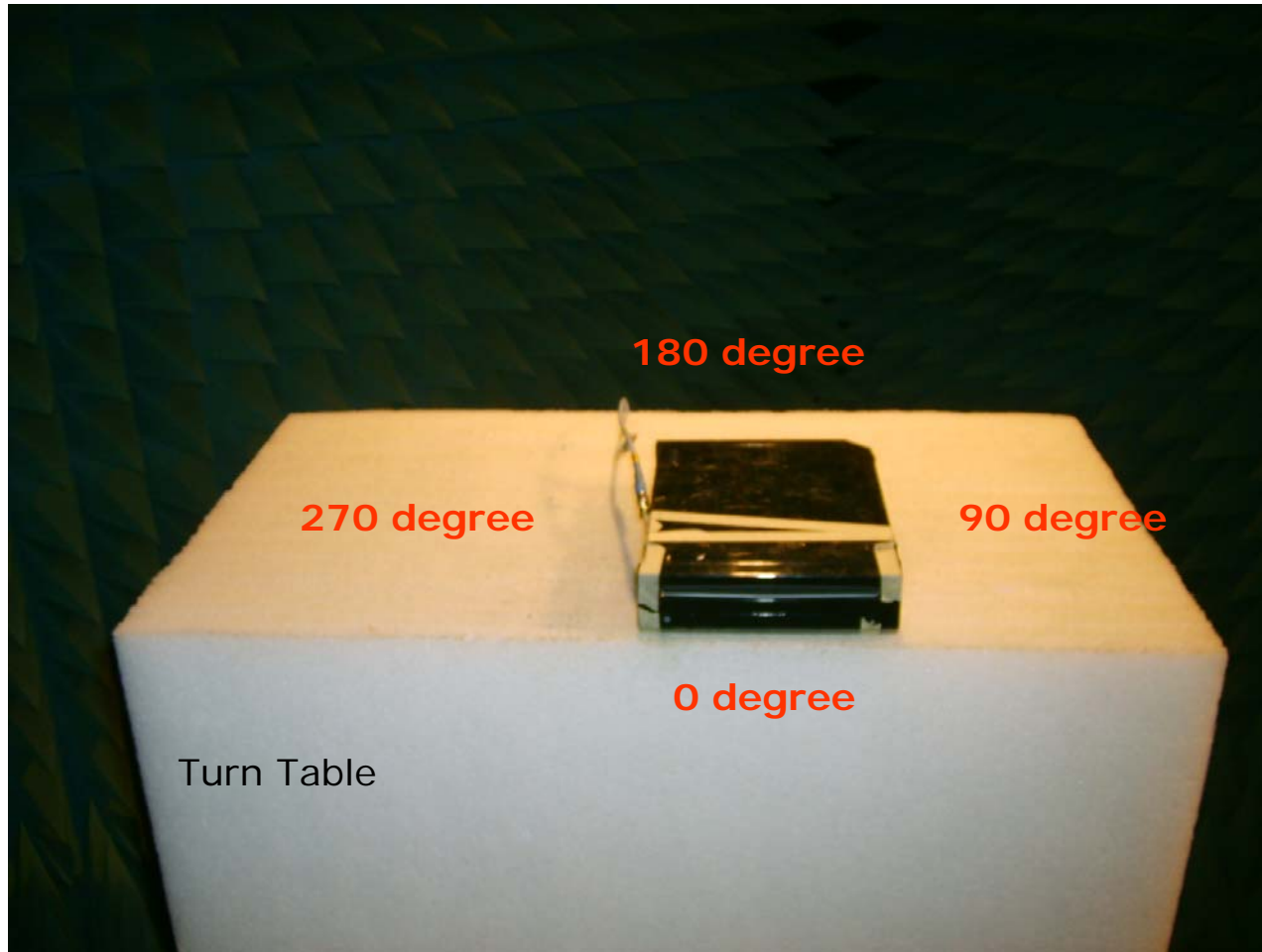


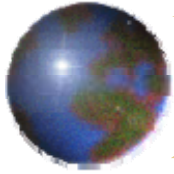
Chamber Setup



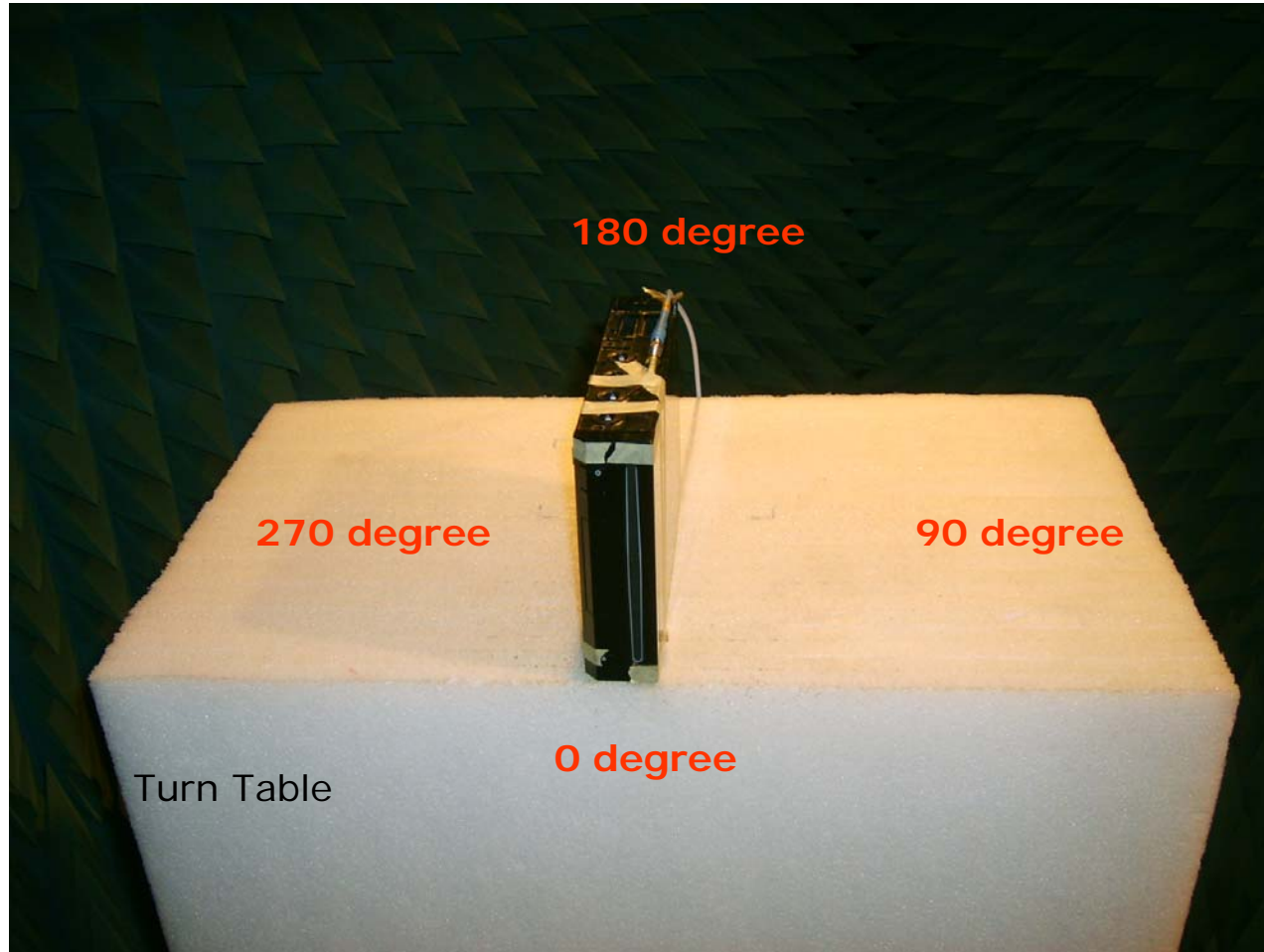


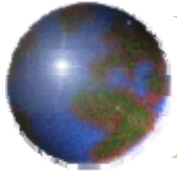
Test Setup I (DUT lie down)



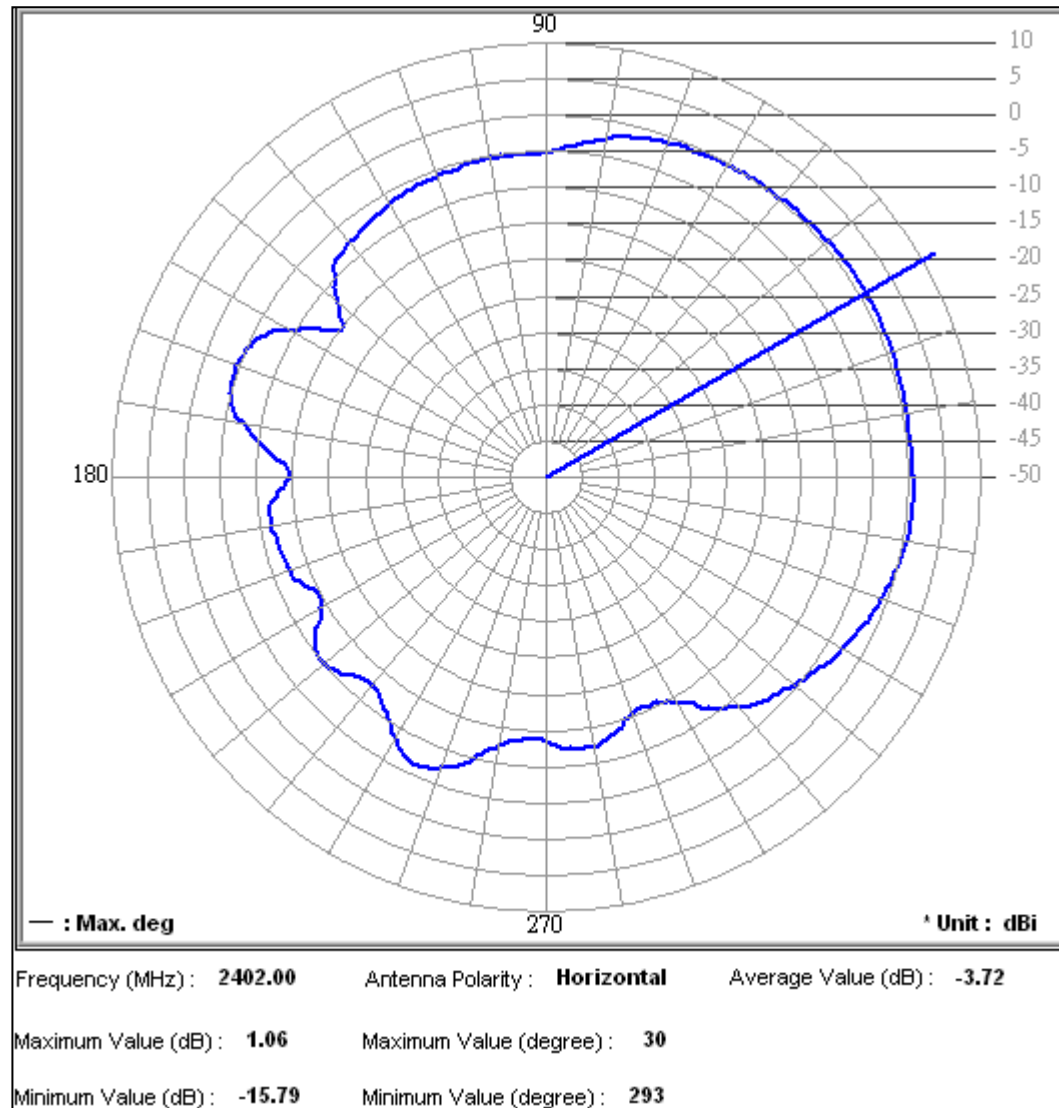


Test Setup II (DUT stand up)

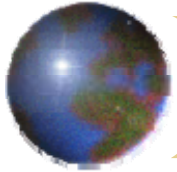




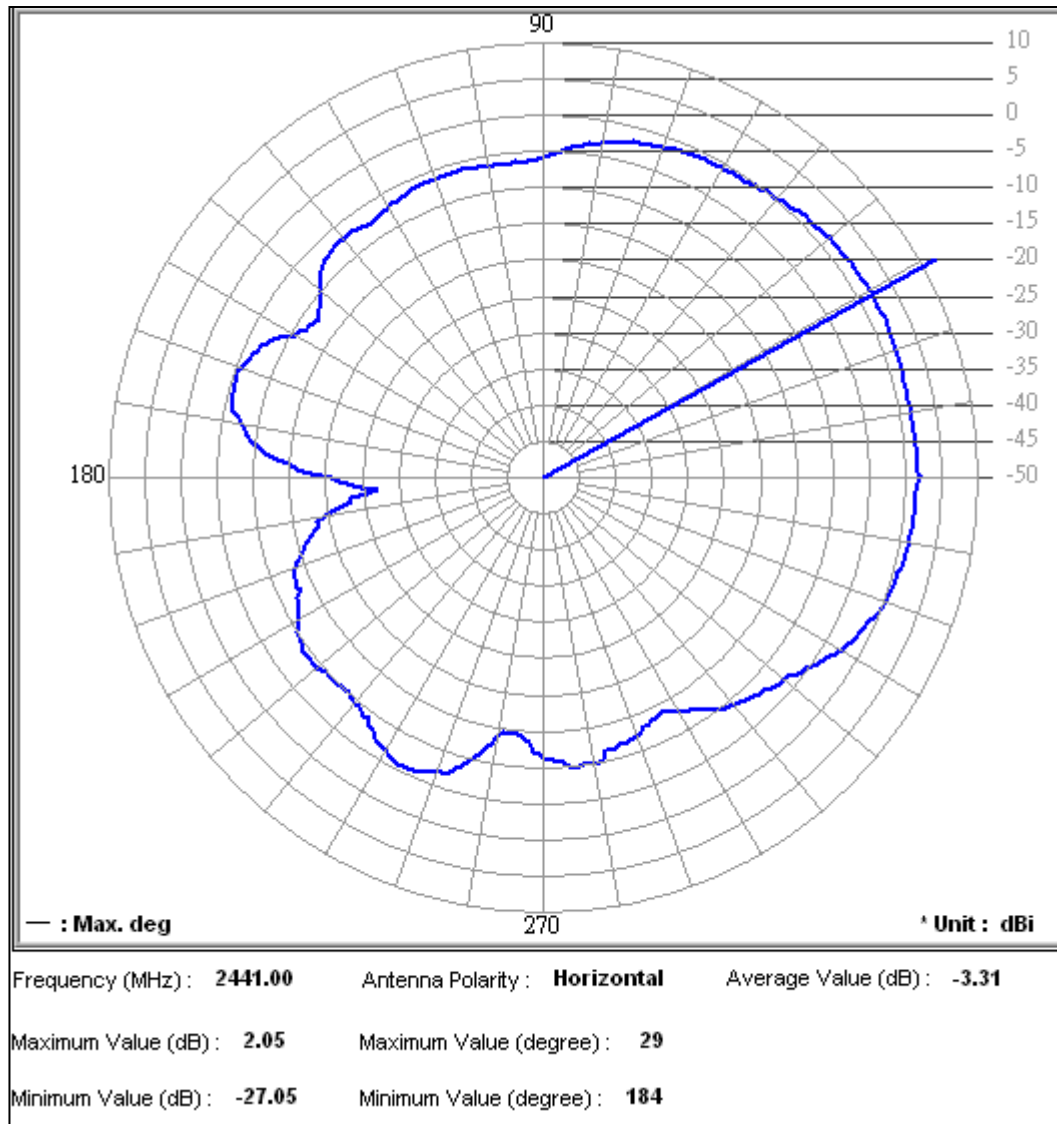
Test Setup I --- Horizontal @2402MHz



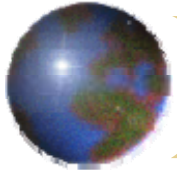
0 Degree



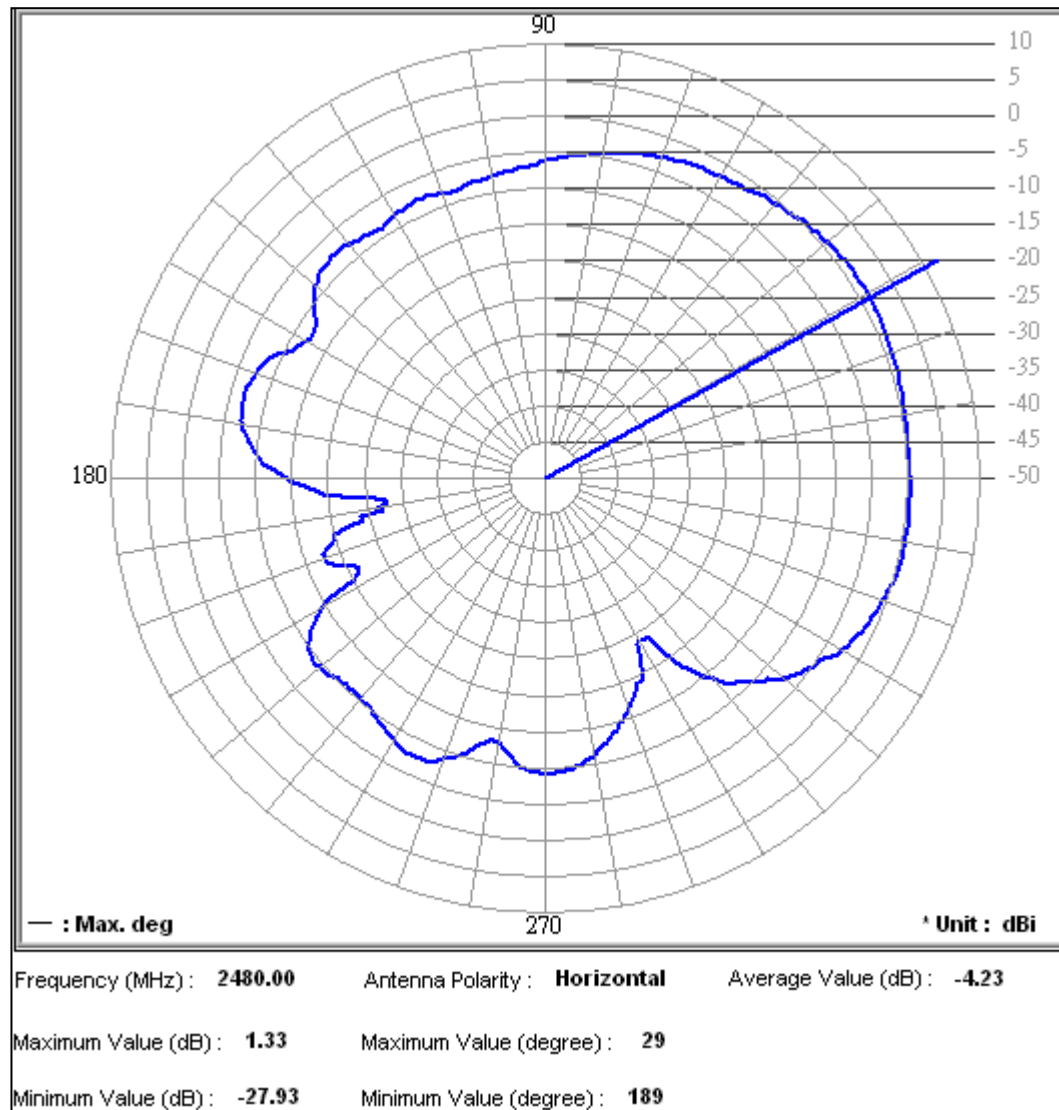
Test Setup I --- Horizontal @2441MHz



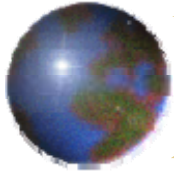
0 Degree



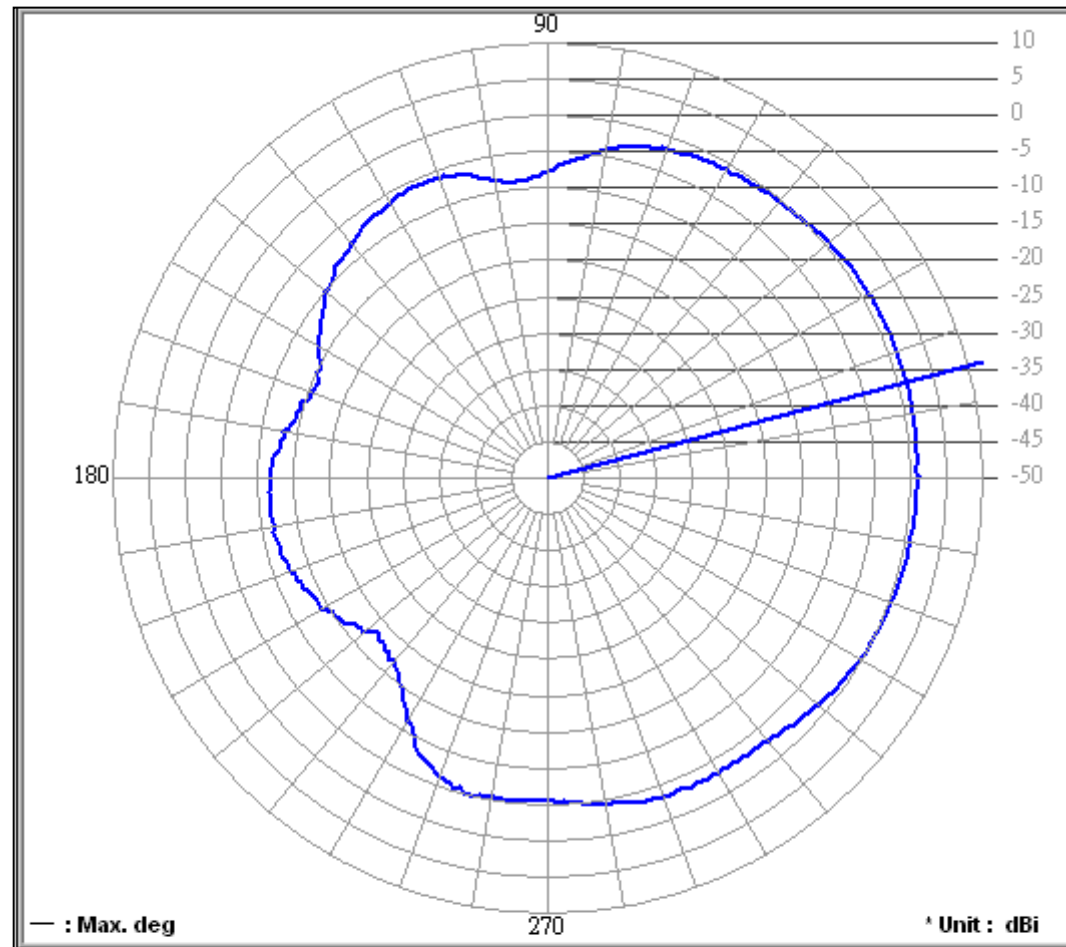
Test Setup I --- Horizontal @2480MHz



0 Degree



Test Setup II --- Vertical @2402MHz

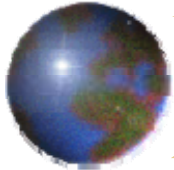


Frequency (MHz) : **2402.00** Antenna Polarity : **Vertical** Average Value (dB) : **-3.16**

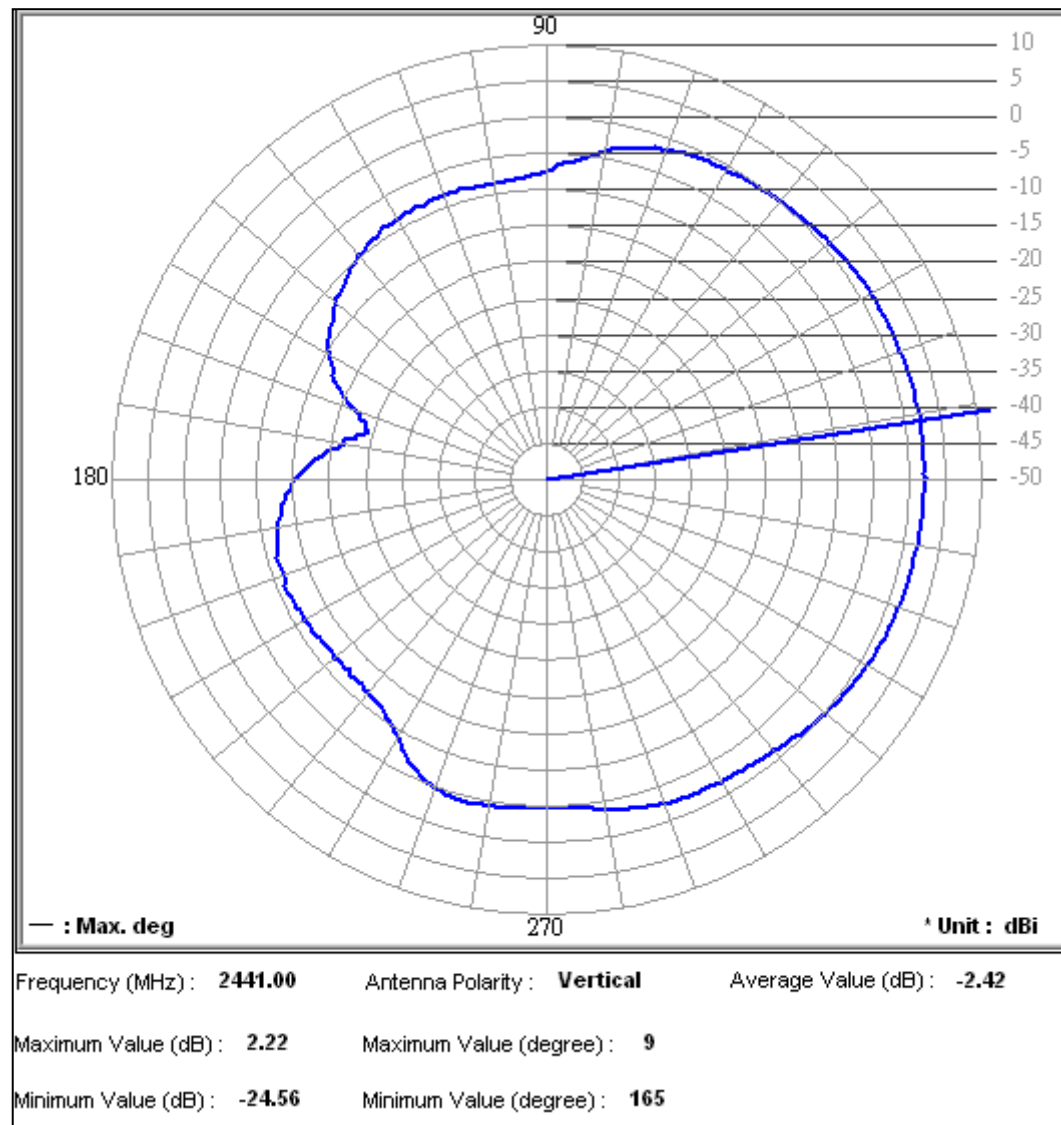
Maximum Value (dB) : **1.29** Maximum Value (degree) : **15**

Minimum Value (dB) : **-18.54** Minimum Value (degree) : **222**

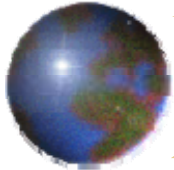
0 Degree



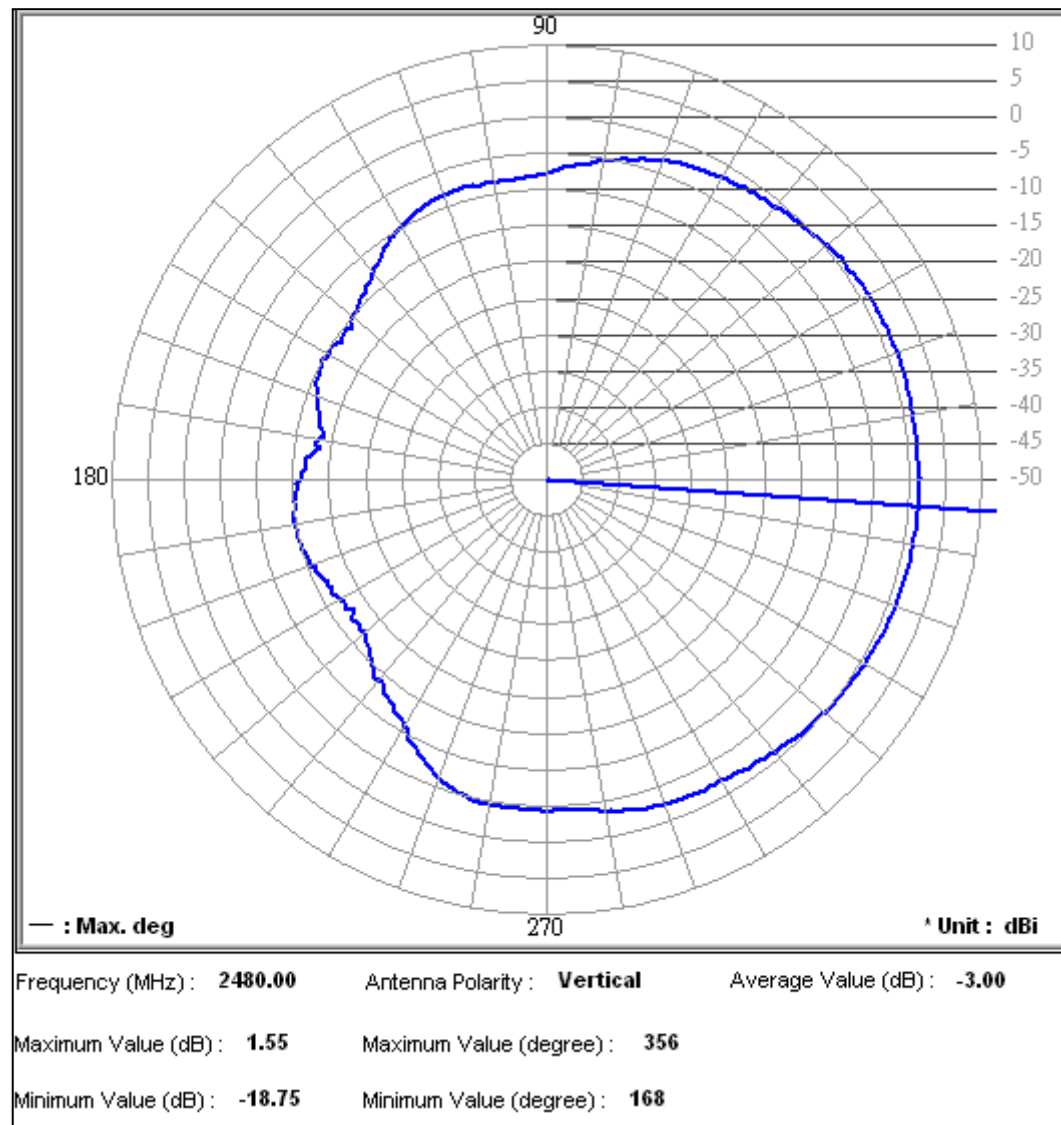
Test Setup II --- Vertical @2441MHz



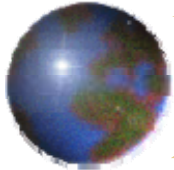
0 Degree



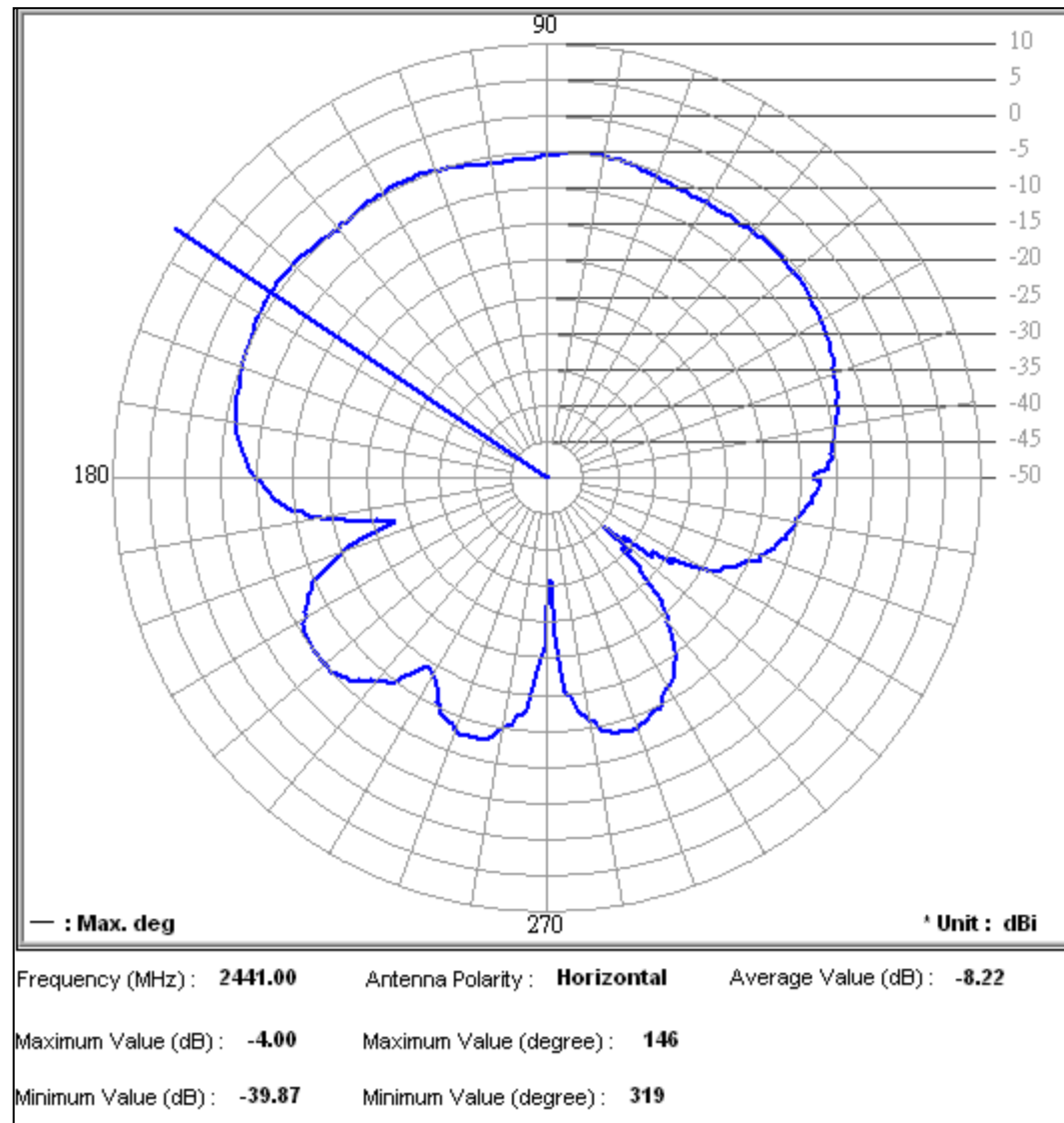
Test Setup II --- Vertical @2480MHz



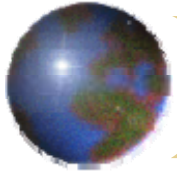
0 Degree



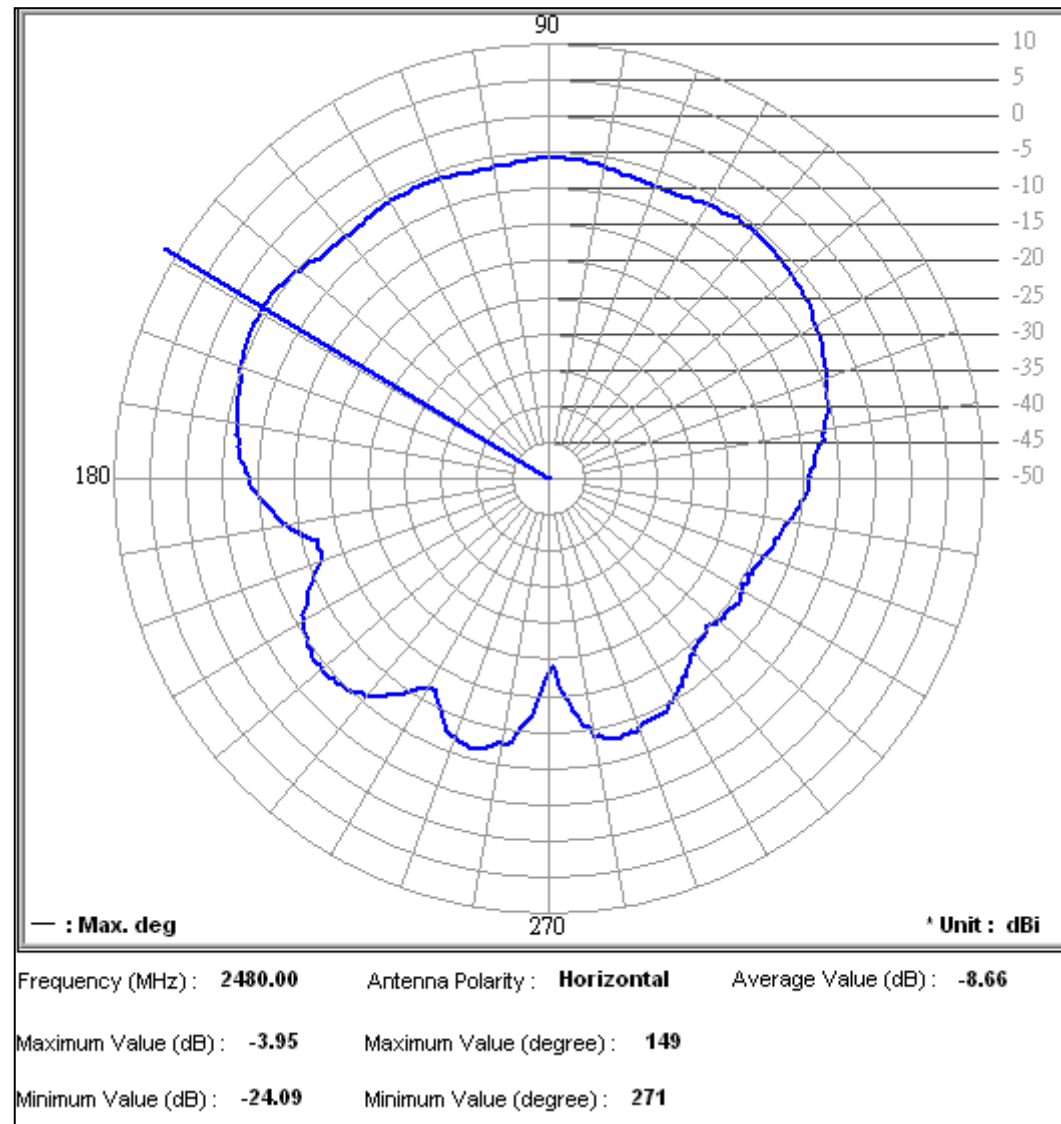
Test Setup II --- Horizontal @2441MHz



0 Degree



Test Setup II --- Horizontal @2480MHz



0 Degree