

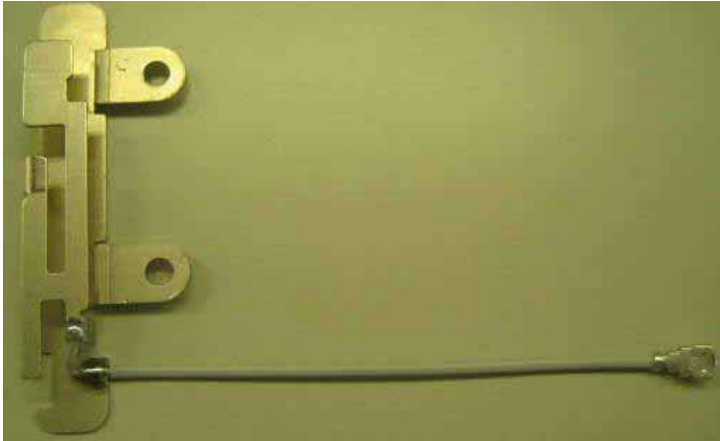
Bluetooth Antenna Specification

2007.7.20
FUJITSU Limited

■ Model: CP360900

■ Antenna Type: Inverted F

■ Appearance:



■ Features:

Impedance

50Ω

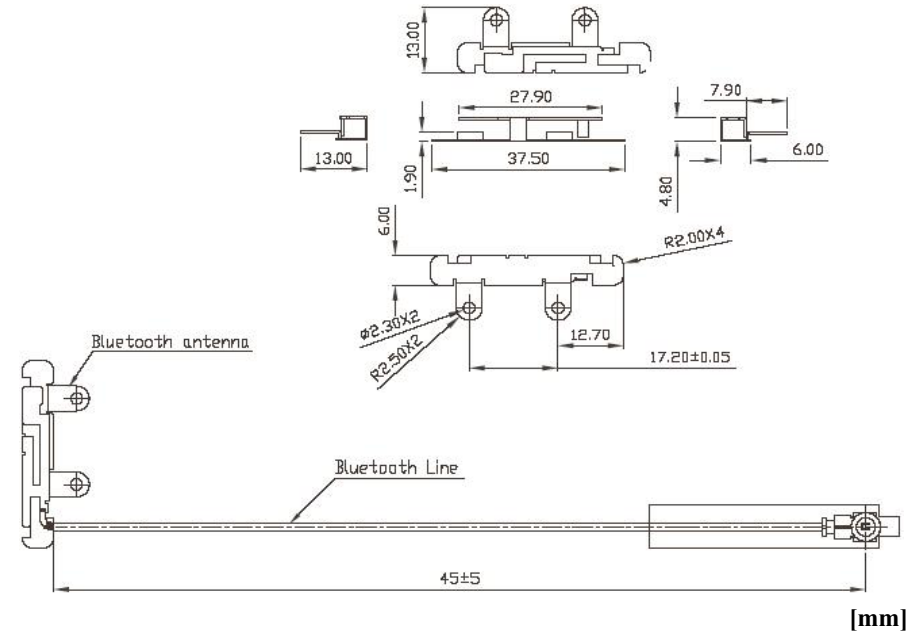
Frequency Band

2400~2500MHz

■ MAX Gain: -0.002 dBi

■ VSWR: 1.1083

■ Dimension:





WHA YU INDUSTRIAL CO., LTD

FJ1 Bluetooth Antenna Test Report

Customer • Quanta

Measurement Time • 2007/07/09

Measurement Instrument • 4 • Agilent Technologies E5071A 300K~8.5GHz ENASeries Network Analyzer

2 • Chamber • 3.5m(W) * 3.25m(H) * 7.12m(L)

Gain Horn Antenna • SG-430 1.7~2.6GHz

Gain Horn Antenna • SG-187 3.9~5.9GHz

Measurement Frequency • 2.4 GHz ~ 2.5GHz

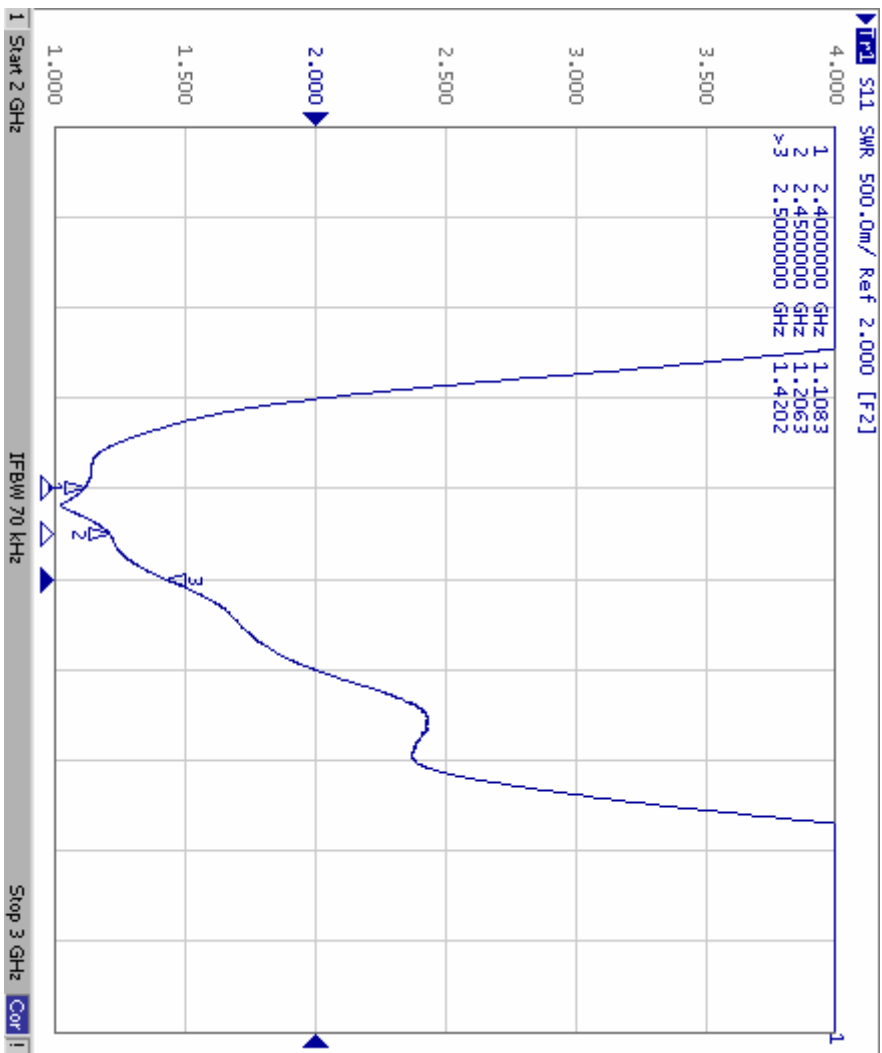
Antenna Photo





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Antenna VSWR





Bluetooth Antenna Peak Gain & Average Gain Test Result

XY

Antenna	Peak Gain (dBi)			Ave. Gain (dBi)		
	2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz
Bluetooth Antenna	-3.66	-4.61	-3.58	-7.60	-6.79	-5.76

XZ

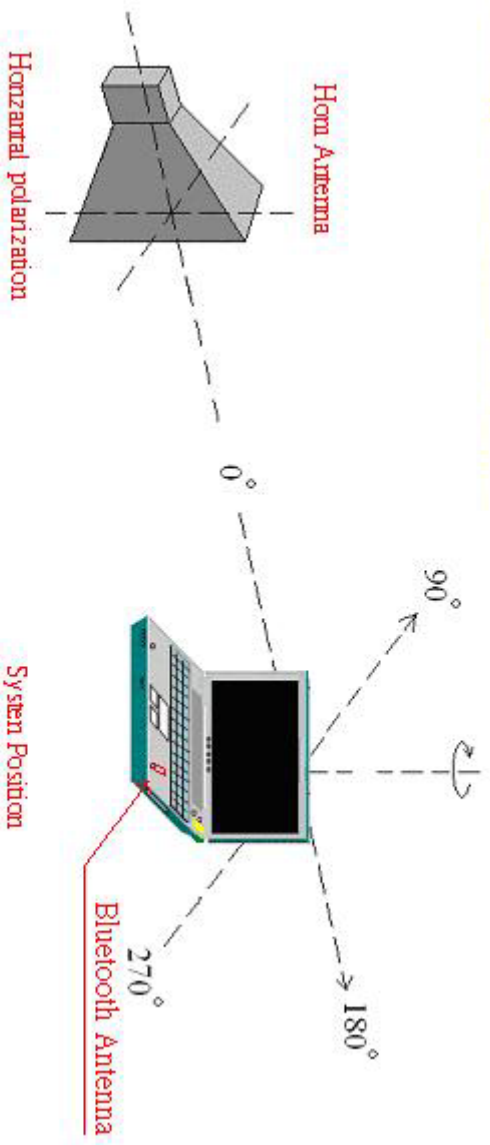
Antenna	Peak Gain (dBi)			Ave. Gain (dBi)		
	2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz
Bluetooth Antenna	-2.19	-2.90	-0.56	-5.28	-6.67	-6.48

YZ

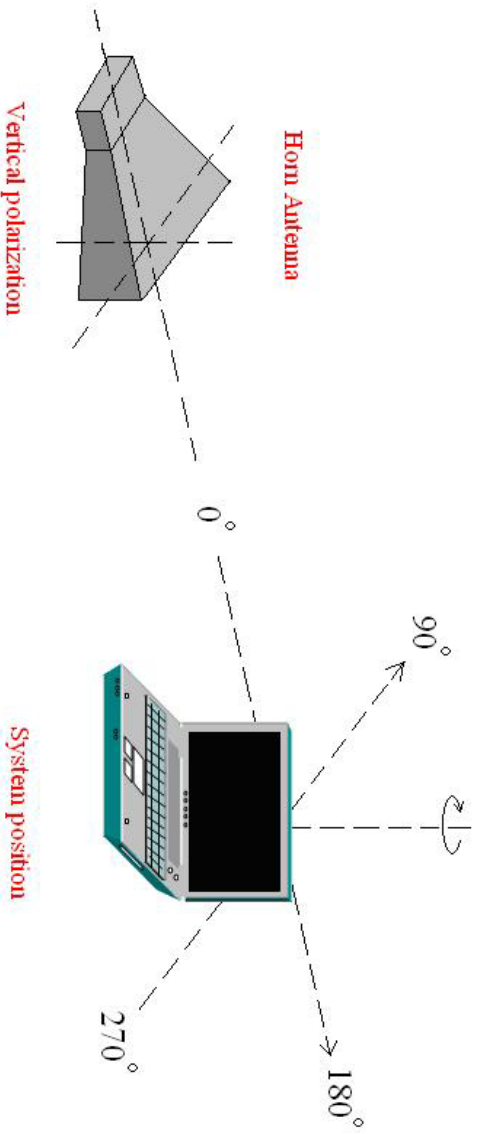
Antenna	Peak Gain (dBi)			Ave. Gain (dBi)		
	2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz
Bluetooth Antenna	-1.25	-1.19	-0.002	-4.61	-4.21	-3.72



Pattern & Gain Test Illustration



Pattern & Gain Test Illustration

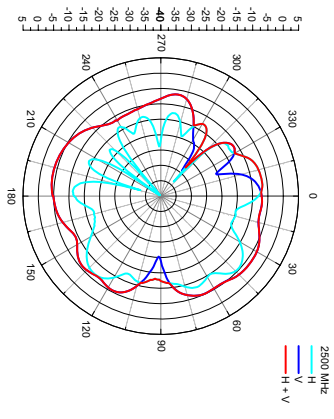
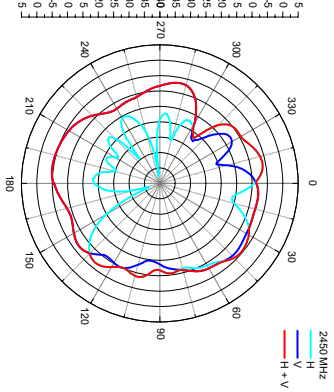
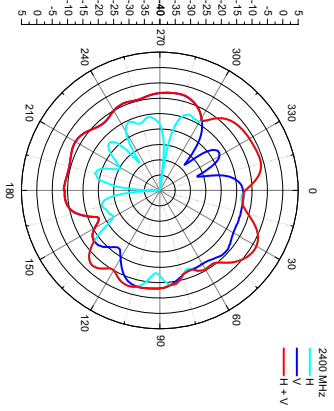




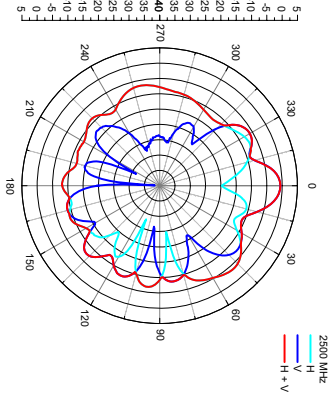
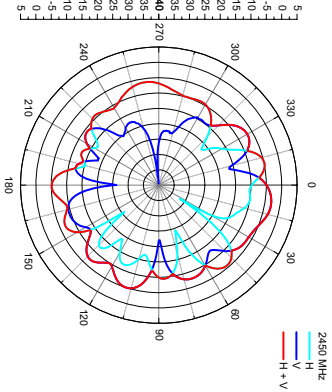
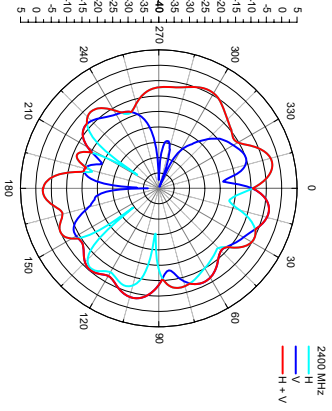
Bluetooth Antenna Pattern

2400~2500MHz

X-Y



X-Z



Y-Z

