



1. Antenna type/Material & Model No.

1.1 Antenna type: PIFA(Planned Inverted F-shape Antenna)

1.2 Material: 0.3 t copper

1.3 Model No.:

Compal P/N: [DC330014900](#)

SmartAnt P/N: [R0422-039](#)

2. Coaxial cable length & Diameter (Φ) & Vendor

2.1 Coaxial cable/Length:

Coaxial cable: SmartAnt cable

Left Antenna: 636mm, Black

Right Antenna : 510mm, Gray

2.2 Diameter (Φ) & Vendor

Diameter: Φ 1.13mm

Vendor: SmartAnt

3. Connector model no. & Vendor

3.1 Connector model no.: I-Pex MHF

3.2 Vendor: *IPX*



4. Antenna Placement & Outline drawing

4.1 Antenna Placement



Left Side Antenna



Right Side Antenna



5. Antenna's Specification & Result

5.1 802.11a&b Specification

5.1.1 Frequency range : 2.4 – 2.5GHz;5.15~5.35GHZ

5.1.2 Impedance : 50Ω

5.1.3 LCD Panel : Open (100°), Close (0°)

5.1.4 System Plane : XY plane

5.1.5 VSWR : ≤ 2

5.1.6 Return Loss : $\leq -10\text{dB}$

5.1.7 Band Width : $\geq 130\text{ MHz}$

5.1.8 Any 30° angle range can not has null depth.



5.1.9 Average gain & Peak gain

Antenna	Peak Gain (dBi)		Average Gain (dBi)	
	Frequency(GHZ)		Frequency(GHZ)	
	2.4-2.5	5.15-5.35	2.4-2.5	5.15-5.35
Main	2	≤ 6	2	≥ -5
Auxiliary	NA	NA	≥ -4.5	≥ -5.5