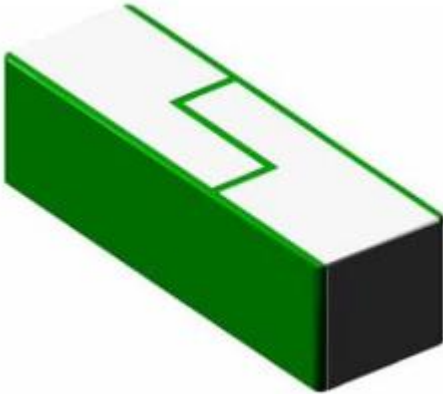


2.4 – 2.83 GHz WiFi ceramic chip antenna

Pulse Part Number CW3005



Features

- Omni directional radiation
- Low profile
- Compact size W x L x H (7.0 x 3.0 x 3.0 mm)
- Low weight
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- 2.4 – 2.83 GHz WiFi
- Bluetooth, Zigbee

Electrical specifications @ +25 ° C

Note: Electrical characteristics depend on test board (GP) size and antenna positioning on GP and Ground Clearance area size.

Typical performance (testboard size 70x37 mm)

| Frequency Range [MHz] | Linear Max Gain [dBi] | Return loss min. [dB] | Efficiency [%]/[dB] | Impedance [Ω] | Operating Temperature [$^{\circ}$ C] |
|-----------------------|----------------------------|-----------------------|--|------------------------|---------------------------------------|
| 2400 – 2830 | 1 (peak) 0 (band edges) | -4 | 55 / -2.5(peak) 40 / -4(band edges) | 50 | -40 to +85 |

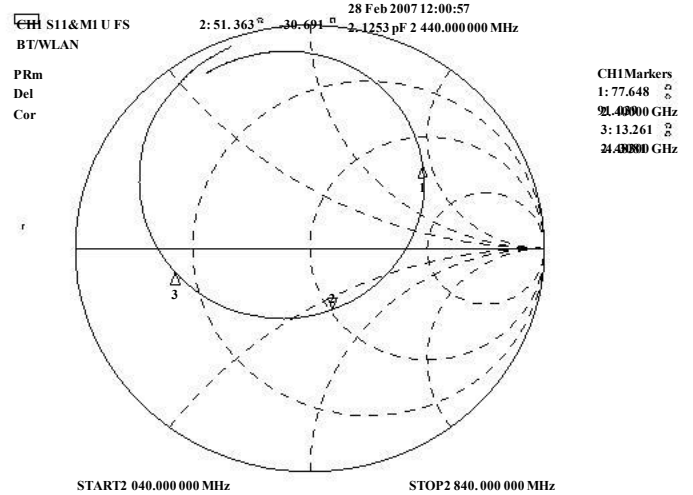
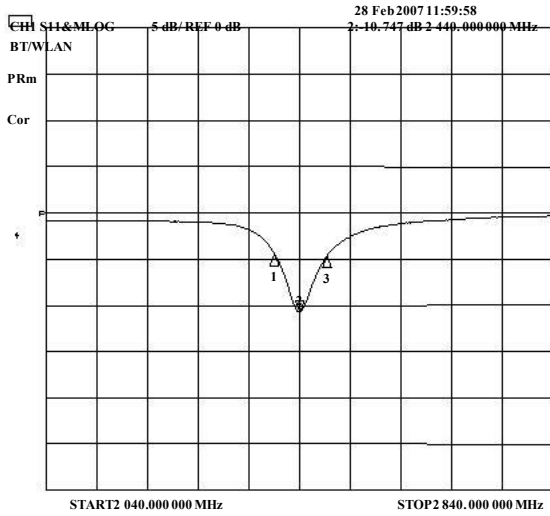
2.4 – 2.83 GHz WiFi ceramic chip antenna

Pulse Part Number CW3005

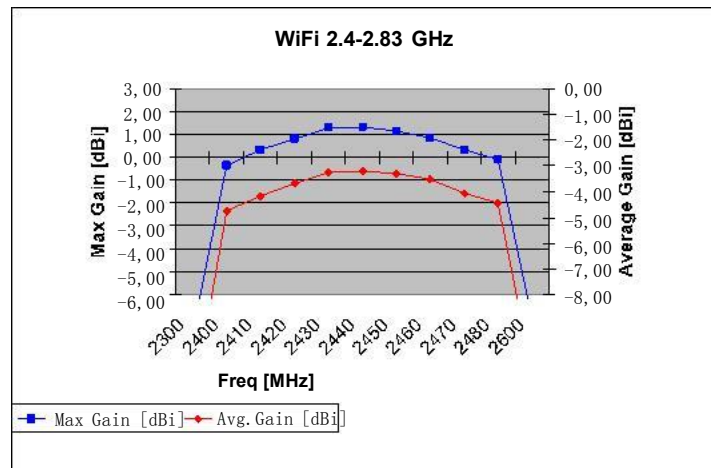
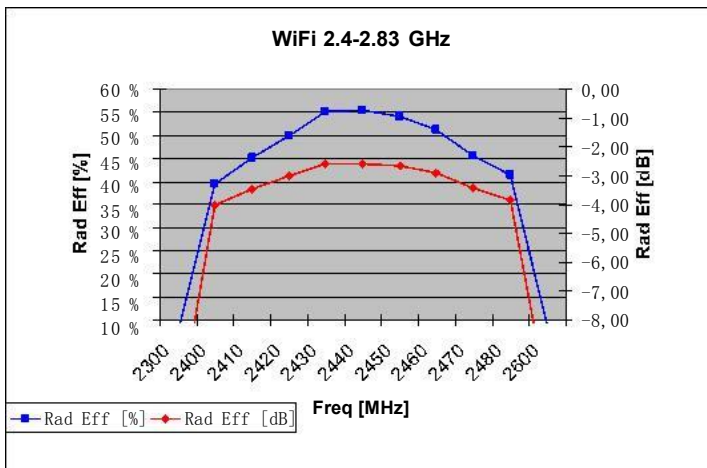
Typical Electrical Characteristics (T=25 ° C)

Measured on the 70 x 37mm test board without matching circuit

Typical Return Loss S11/ impedance



Free space efficiency and maximum gain



2.4 – 2.83 GHz WiFi ceramic chip antenna

Pulse Part Number CW3005

Typical Free Space Radiation Patterns

