

Bluetooth / WLAN / WIFI Ceramic Chip Antenna

Pulse Part Number CW3008



Features

- Omnidirectional radiation
- Low profile
- Compact size WxLxH (3.2 x 1.6 x 1.1 mm)
- Low weight (33 mg)
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- Bluetooth, WLAN, WiFi
- IEEE 802.11b/g
- ZigBee IEEE 802.15.4
- 2.4 GHz WLAN
- 2.4 GHz ISM Band Systems

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 80x37 mm, PWB ground clearance area 4.00 x 4.25 mm)

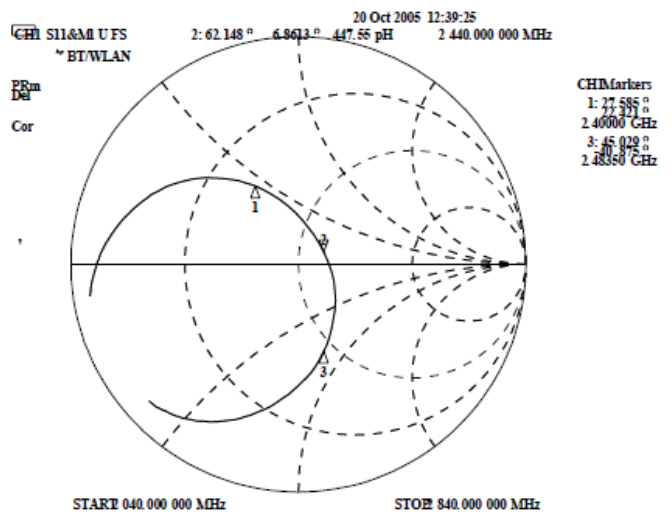
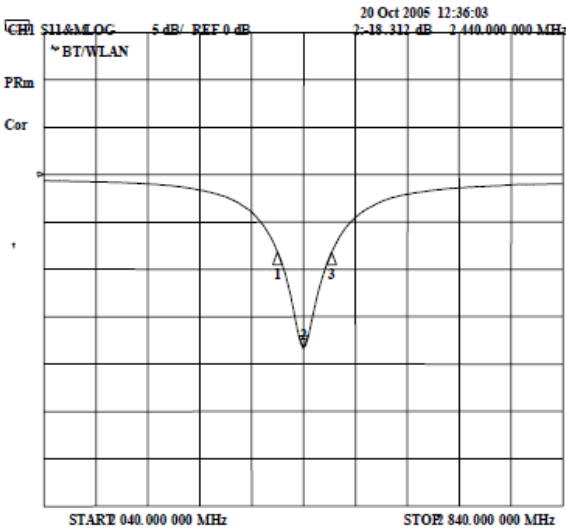
Frequency Range [MHz]	Max Gain [dBi]	Return loss min. [dB]	Efficiency [%]/[dB]	Impedance [Ω]	Operating Temperature [° C]
2400 – 2483.5	1.7 (peak) 0.7 (band edges)	-8	70 / -1.6(peak) 55 / -2.6(band edges)	50	-40 to +85

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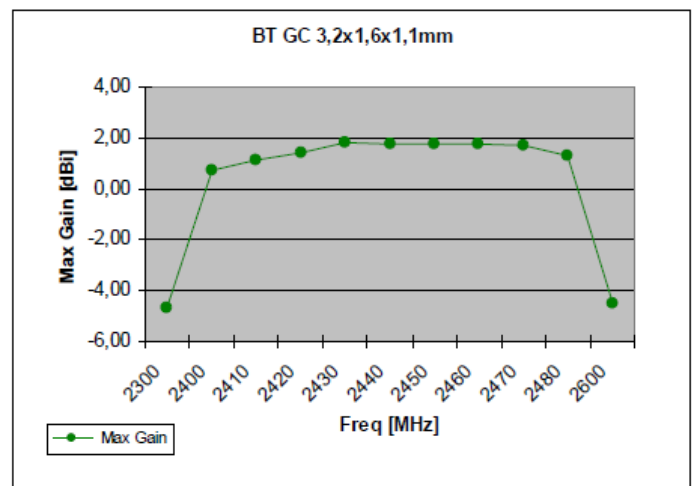
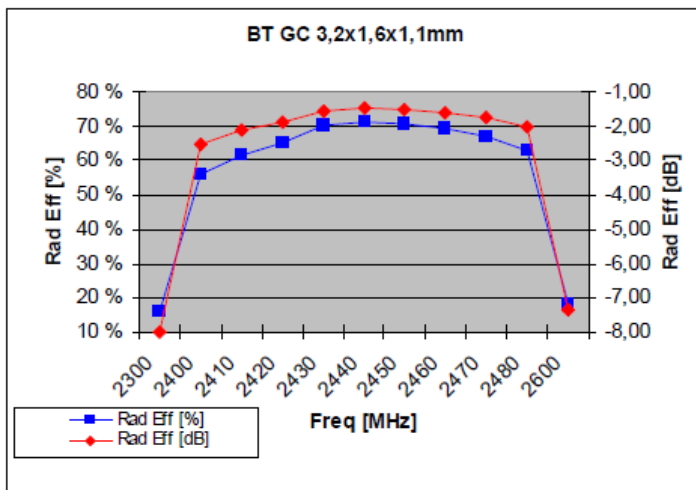
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Typical Electrical Characteristics (T=25 ° C)

Typical Return Loss S11/ impedance



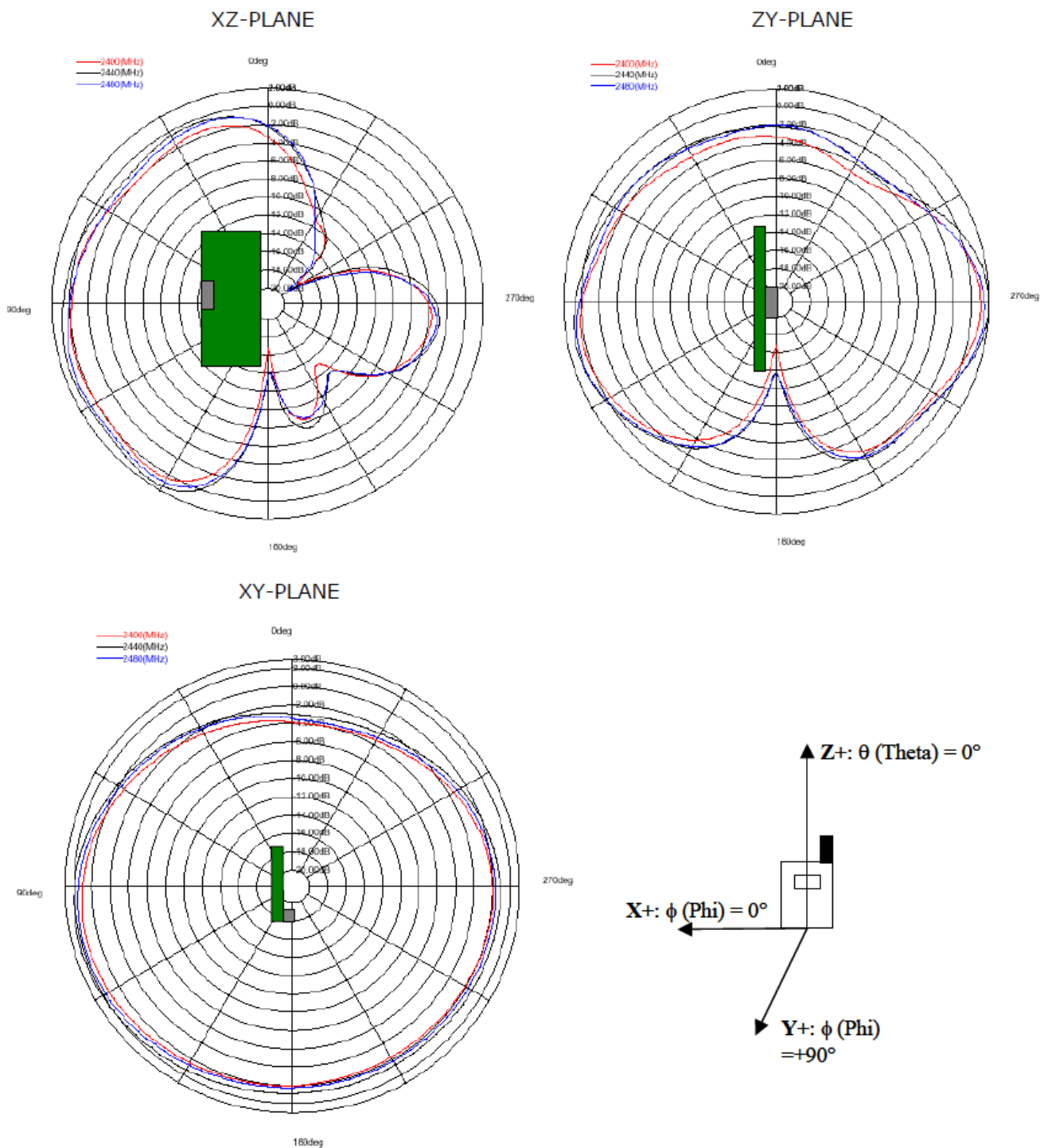
Free space efficiency and maximum gain



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Typical Free space Radiation Patterns



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