2.1 GHz RX Diversity Ceramic Antenna

Ground cleared under antenna, clearance area 10.60 x 6.25 mm

Pulse Part Number: W3030



Features

- Omnidirectional radiation
- Low profile
- Compact size W x L x H (10 x 3.2 x 2 mm)
- Low weight (310 mg)
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- W-CDMA
- 2.11-2.17 GHz

Electrical specifications @ +25 °C

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

RX Diversity 2.11-2.17 GHz

Typical performance (test board size 80 x 37 mm, PWB ground clearance area 10.60 x 6.25 mm)

Frequency Range [MHz]	Linear Max Gain [dBi]	Efficiency [%] / [dB]	Return Loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
2110 – 2170	2 (peak) 1.5 (band edges)	80 / -1 (peak) 70 / -1.55 (band edges)	-10	50	-40 to +85

Pulse Antennas
Takatie 6
90440 Kempele, Finland
Tel: +358 207 935 500
Fax: +358 207 935 501
www.pulseeng.com/antennas

Pulse
A TECHNITROL COMPANY

© 2006 All Rights Reserved.

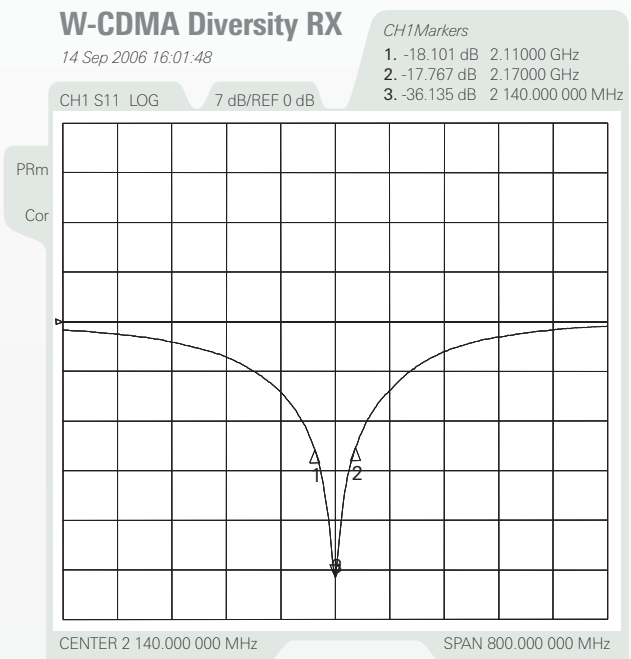
2.1 GHz RX Diversity Ceramic Antenna

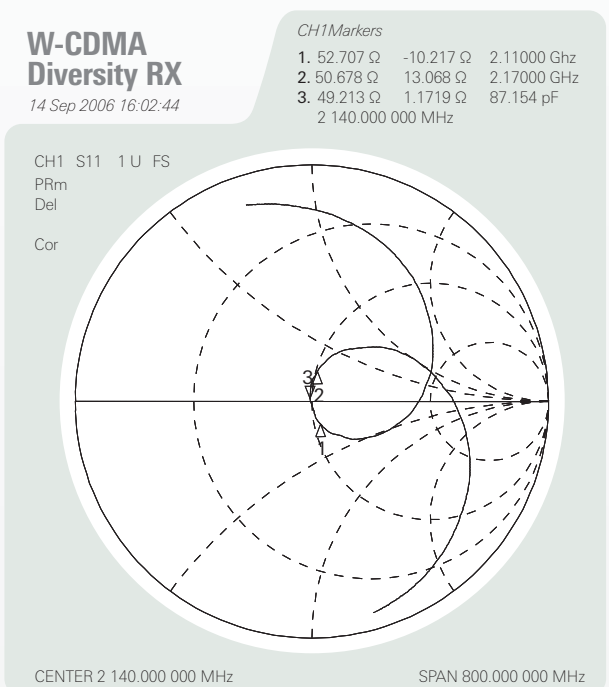
Ground cleared under antenna, clearance area 10.60 x 6.25 mm

Typical Electrical Characteristics (T=25 °C)

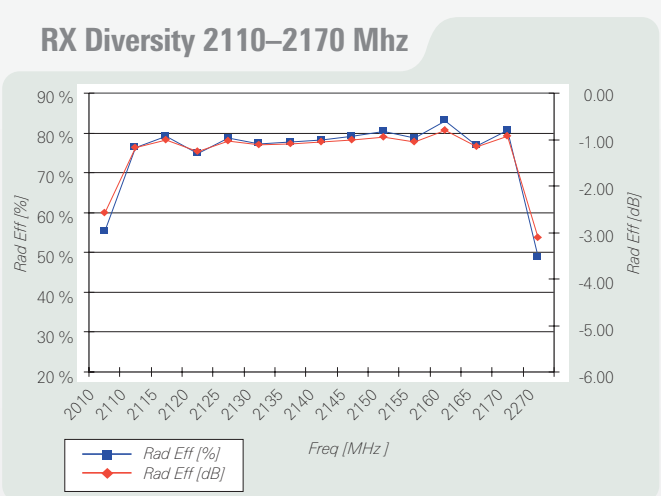
Measured on the 80 x 37 mm test board

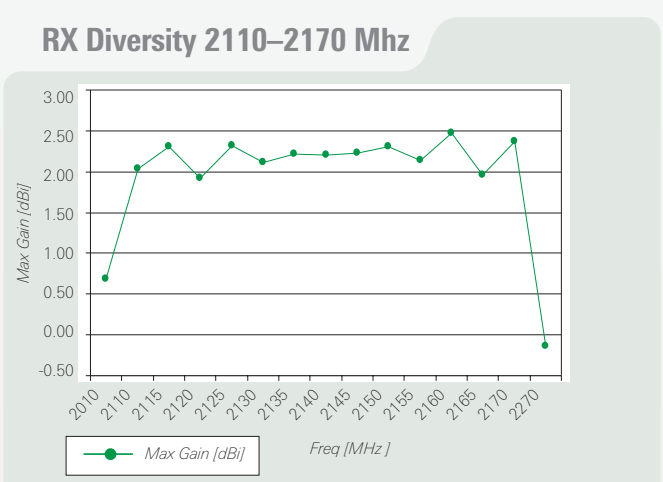
Typical Return Loss S11/impedance





Free space efficiency and maximum gain





Pulse Antennas
Takatie 6
90440 Kempele, Finland
Tel: +358 207 935 500
Fax: +358 207 935 501
www.pulseeng.com/antennas

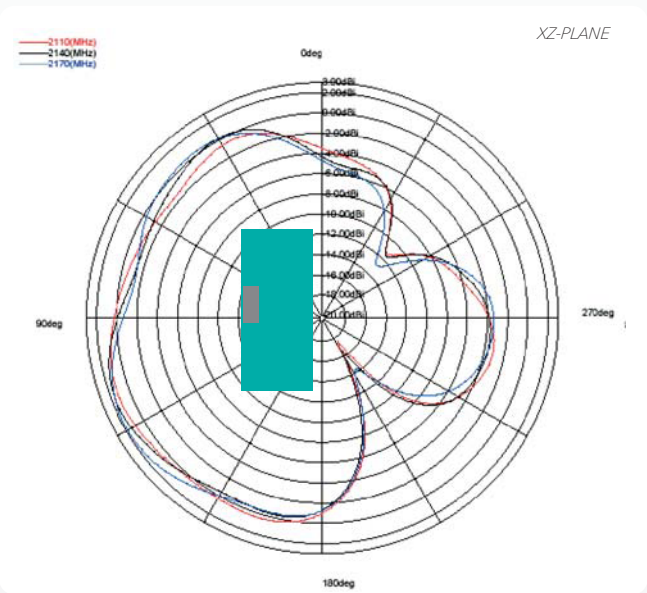
Pulse
A TECHNITROL COMPANY

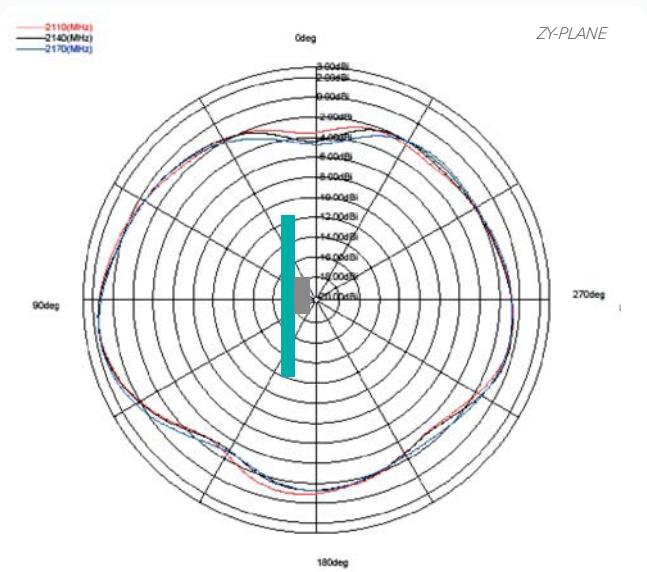
© 2006 All Rights Reserved.

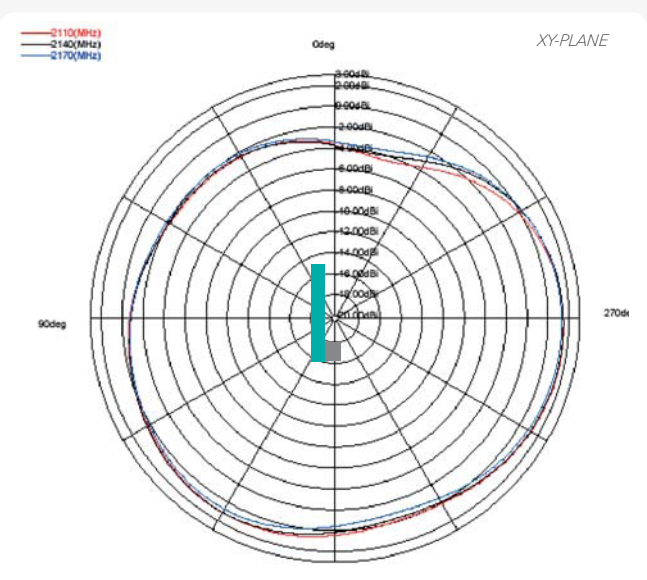
2.1 GHz RX Diversity Ceramic Antenna

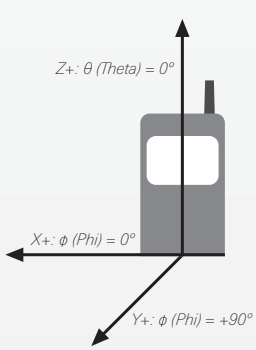
Ground cleared under antenna, clearance area 10.60 x 6.25 mm

Typical Free Space Radiation Patterns









Pulse Antennas
Takatie 6
90440 Kempele, Finland
Tel: +358 207 935 500
Fax: +358 207 935 501
www.pulseeng.com/antennas

Pulse
A TECHNITROL COMPANY

© 2006 All Rights Reserved.