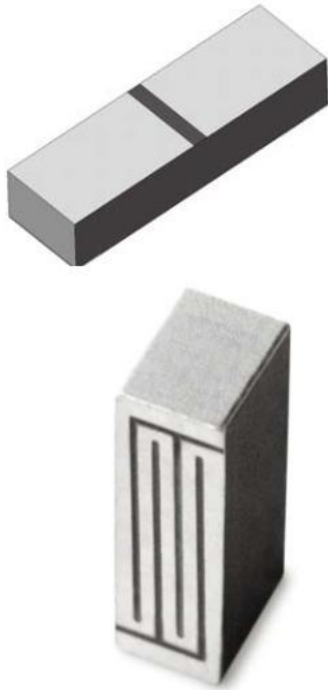


850/1900 MHz Diversity RX Ceramic Antenna (single feed)

Pulse Part Number CW3033



Features

- Omni directional radiation
- Low profile
- Compact size W x L x H (10 x 3.2 x 4 mm/ 10 x 3.2 x 2 mm)
- Low weight (600 mg /310 mg)
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- GSM 850/1900 MHz band
- 869-894 /1930-1990 MHz

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 100x37 mm, PWB ground clearance area 10.60 x 8.25 mm/ 10.60 x 6.25 mm)

Frequency Range [MHz]	Linear Max Gain [dBi]	Return loss min. [dB]	Efficiency [%]/[dB]	Impedance [Ω]	Operating Temperature [$^{\circ}$ C]
869 – 894	1.5 (peak) -1 (band edges)	-4	70 / -1.55(peak) 40 / -4(band edges)	50	-40 to +85
1930 – 1990	2 (peak) 1.5 (band edges)	-10	75 / -1.3(peak) 65 / -1.9(band edges)	50	-40 to +85

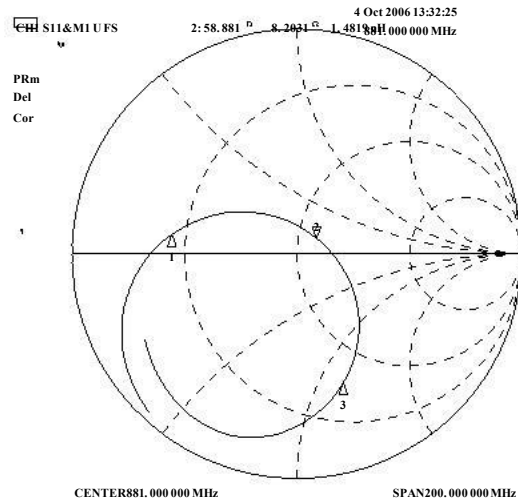
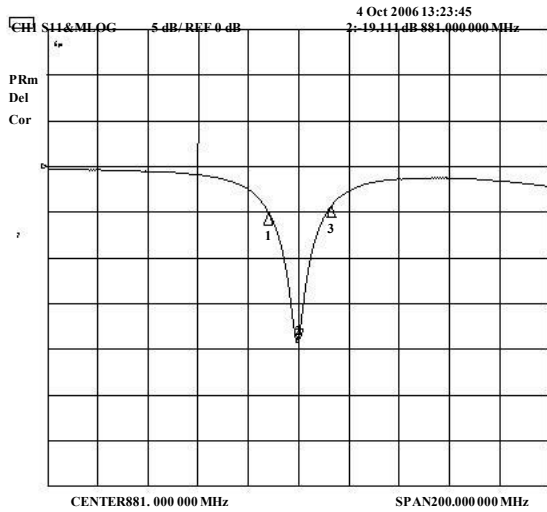
850/1900 MHz Diversity RX Ceramic Antenna (single feed)

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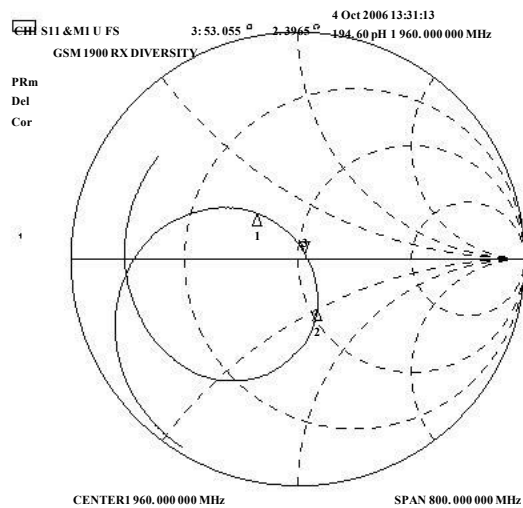
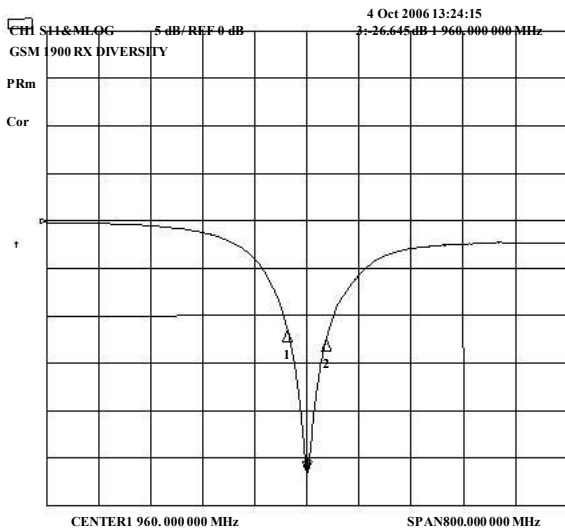
Typical Electrical Characteristics (T=25 ° C)

Measured on the 100 x 37mm test board

850 MHz typical Return Loss S11/ impedance



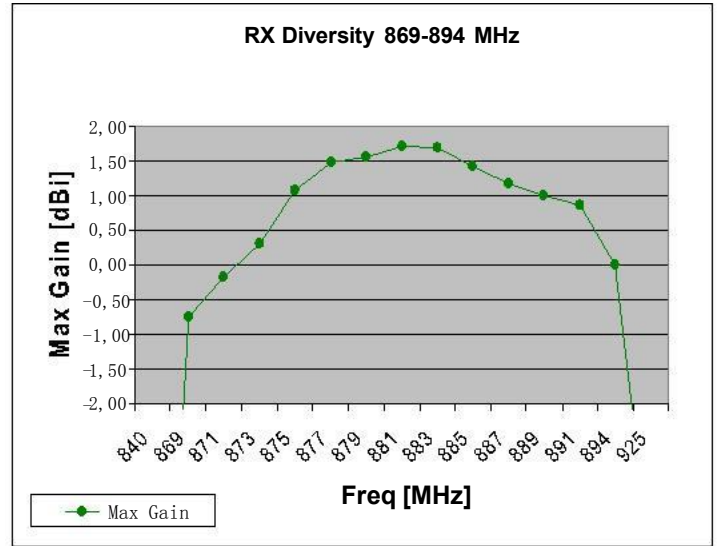
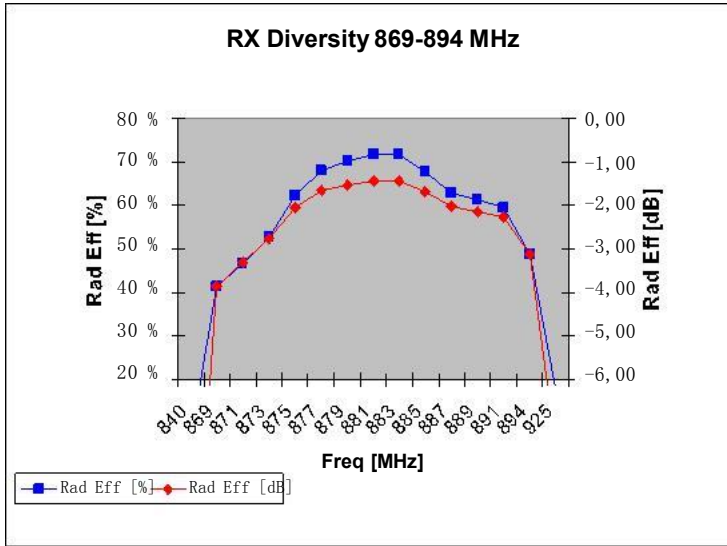
1900 MHz typical Return Loss S11/ impedance



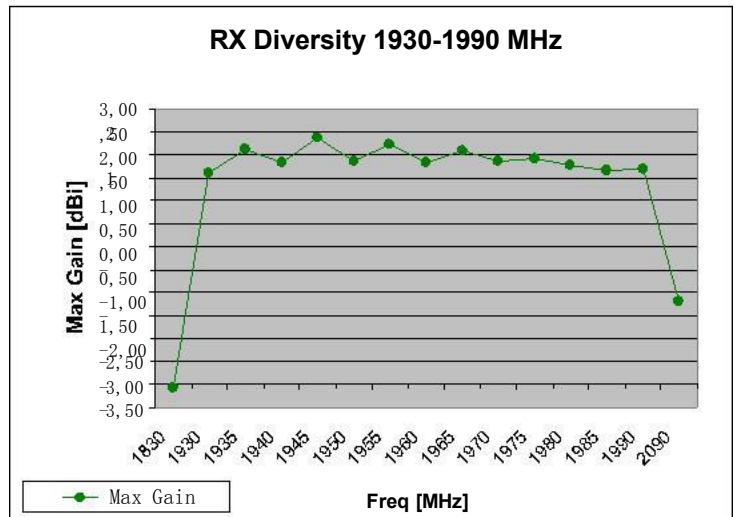
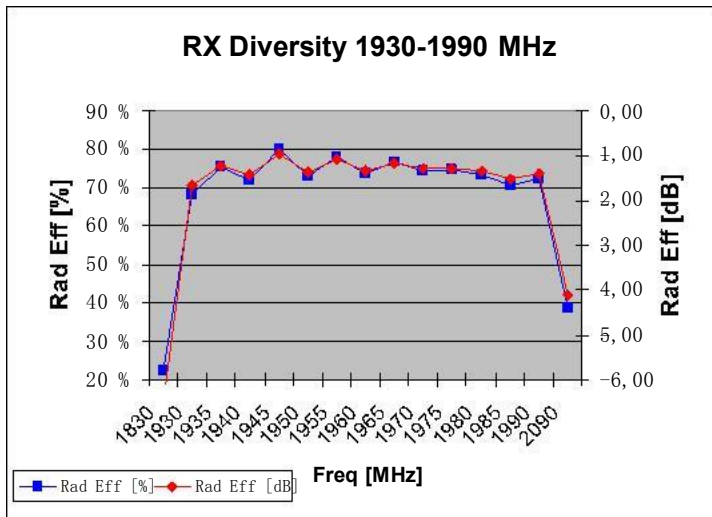
850/1900 MHz Diversity RX Ceramic Antenna (single feed)

Pulse Part Number CW3033

850 MHz free space efficiency and maximum gain



1900 MHz free space efficiency and maximum gain

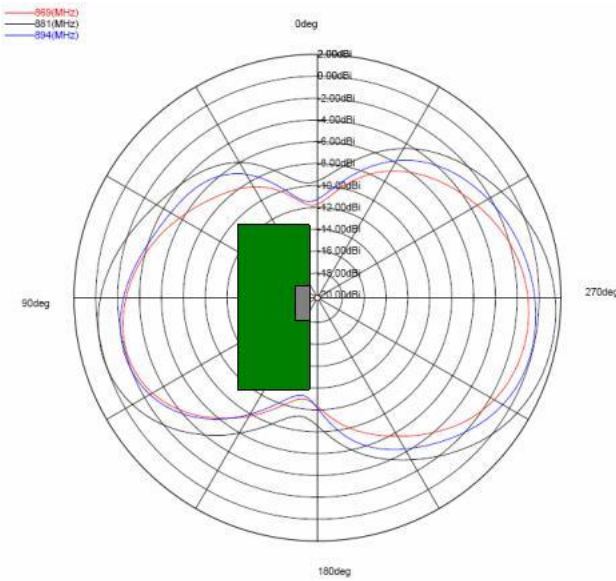


850/1900 MHz Diversity RX Ceramic Antenna (single feed)

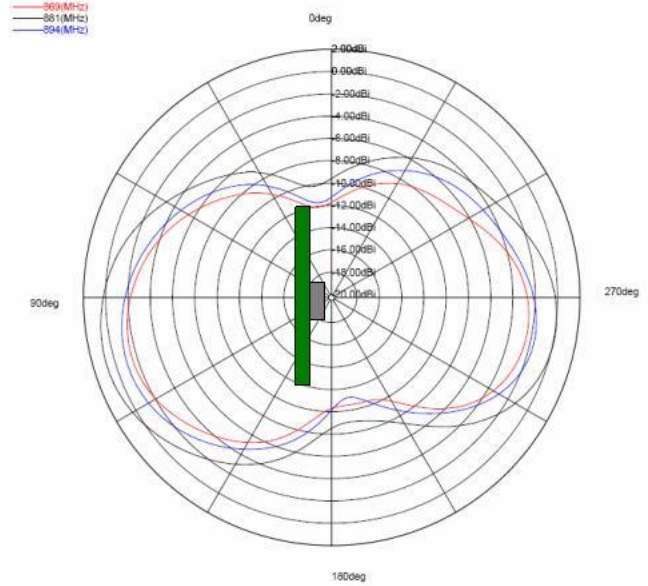
Pulse Part Number CW3033

850 MHz Typical Free Space Radiation Patterns

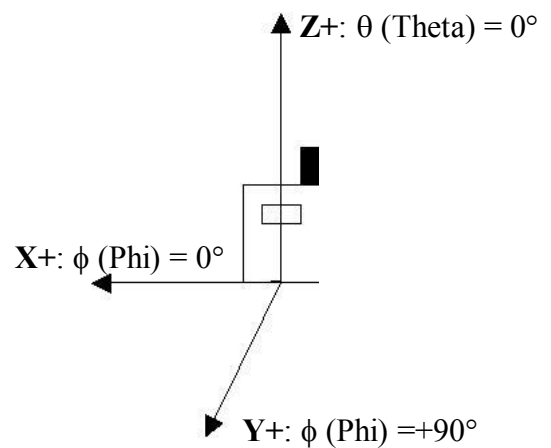
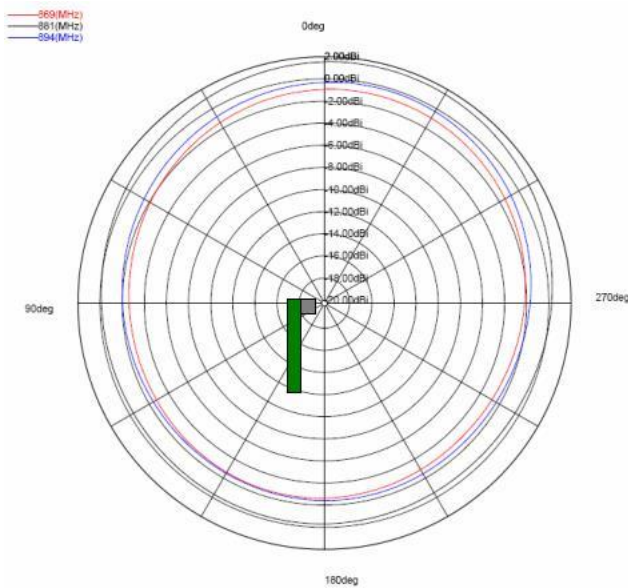
XZ-PLAN



ZY-PLANE



XY-PLANE

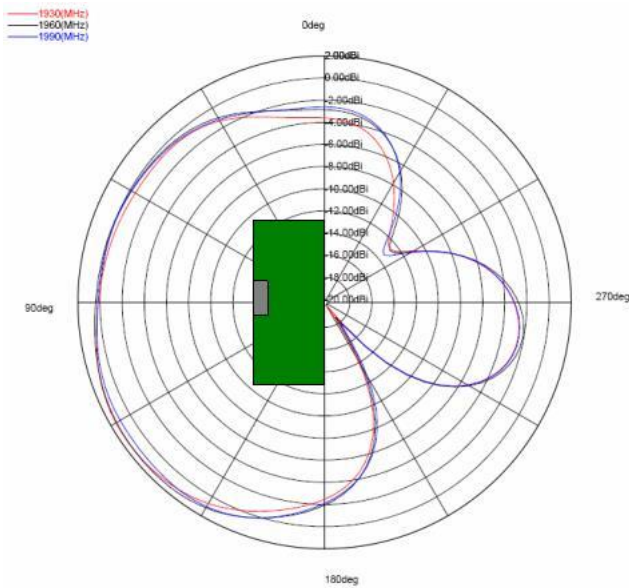


850/1900 MHz Diversity RX Ceramic Antenna (single feed)

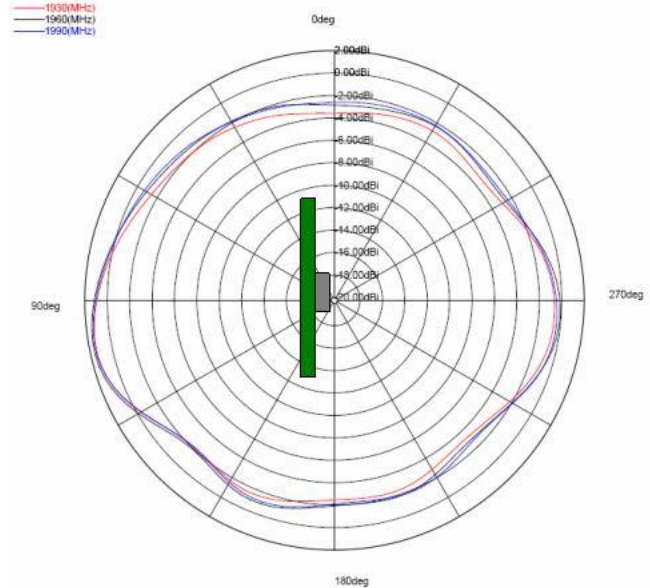
Pulse Part Number CW3033

1900 MHz Typical Free Space Radiation Patterns

XZ-PLAN



ZY-PLANE



XY-PLANE

