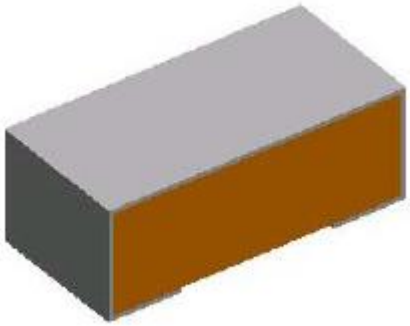
2.5-2.69GHz US-WiMAX Ceramic Chip Antenna

Pulse Part Number CW3020



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

Applications

-Devices using WiMAX
-2.5-2.69 GHz

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 80x35 mm, PWB ground clearance area 4.00 x 6.25 mm)

Frequency Range [MHz]	Max Gain [dBi]	Return loss min. [dB]	Efficiency [%]/[dB]	Impedance [Ω]	Operating Temperature [° C]
2500 – 2690	2.8 (peak) 1 (band edges)	-5.5	80 / -1(peak) 60 / -2.25(band edges)	50	-40 to +85

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Pulse Electronics

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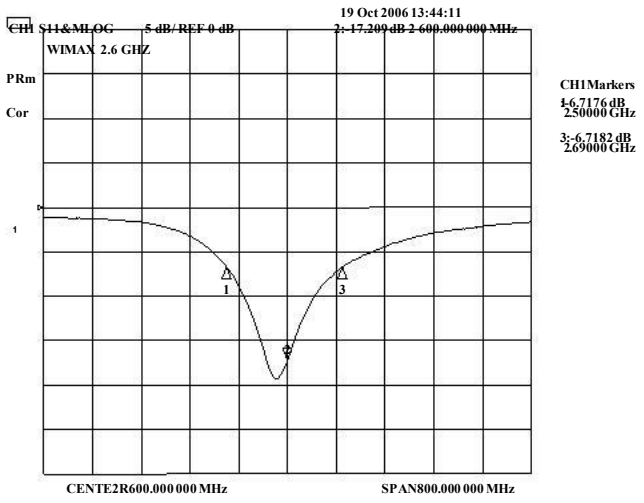
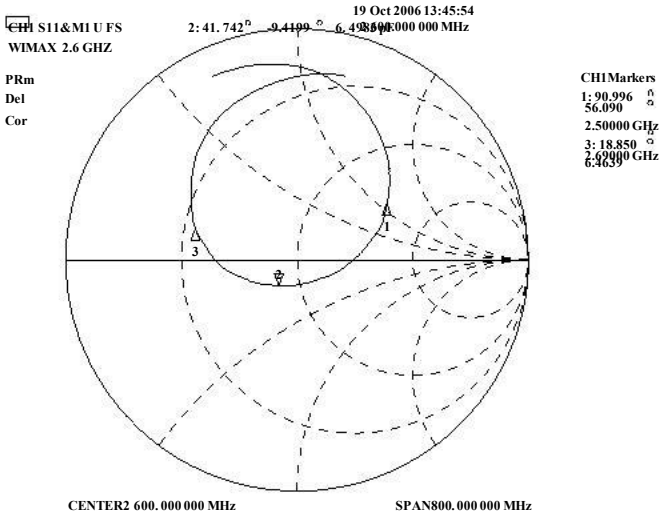
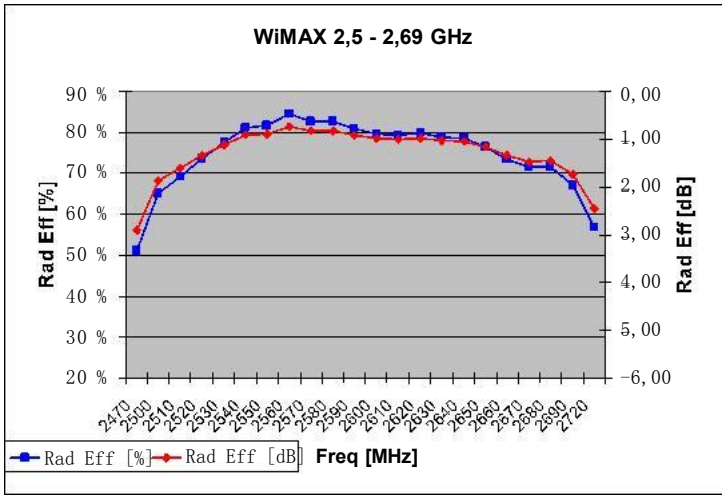
Typical Electrical Characteristics (T=25 °C)

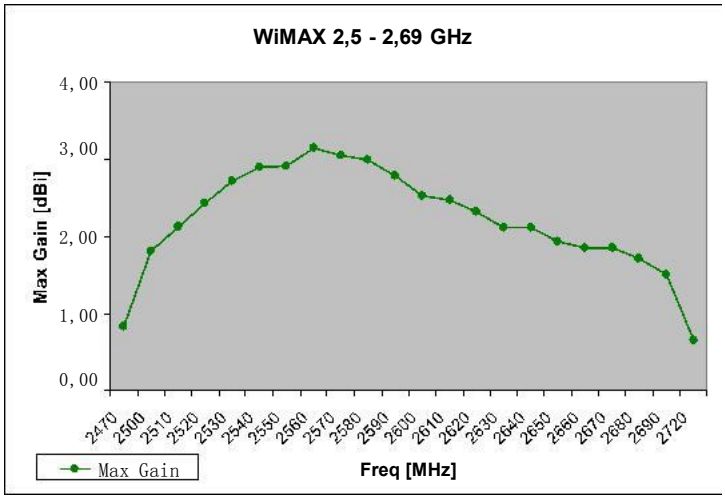
Typical Return Loss S11/ impedance





Free space efficiency and maximum gain





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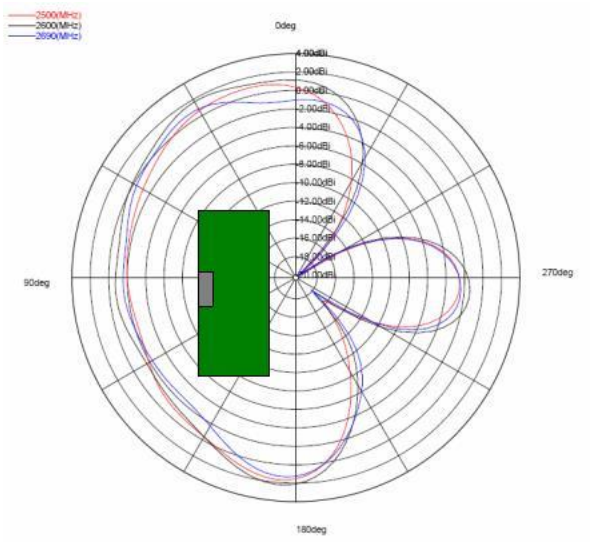
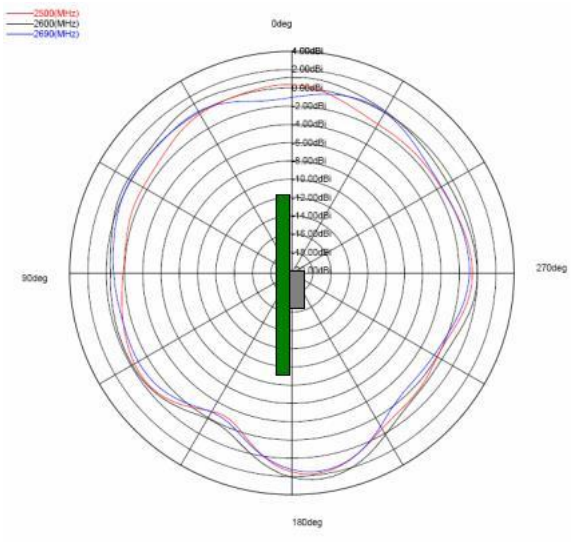
Typical Free space Radiation Patterns

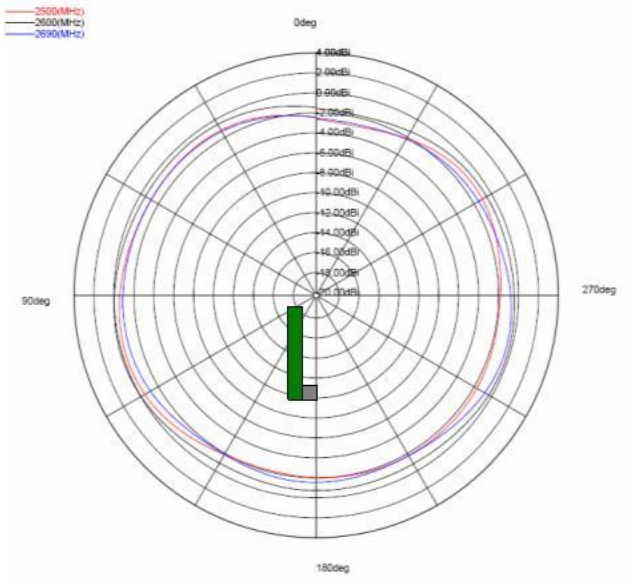
XZ-PLANE

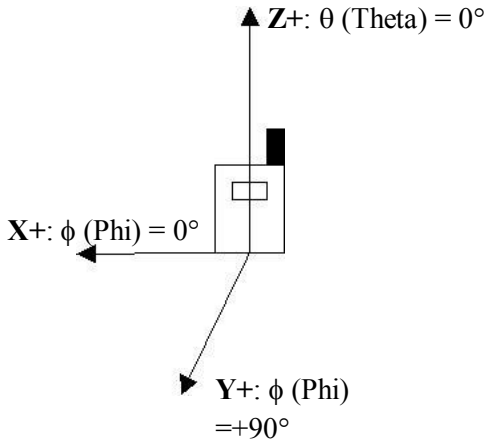


ZY-PLANE



XY-PLANE





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