



JDGA

GPS antennas for demanding requirements

JDGA Ceramic Patch SMT GPS Antenna

25 X 25 X 4mm

Available Frequencies 1576MHz to 1598MHz



Center Frequency	1580MHz \pm 3.0MHz (70 X 70 grond plane)
Bandwidth	9.0MHz (min)
Return Loss	\leq -10dB
Gain @ zenith	5.0dB (typ)
Gain @ 10° elevation	-1.0dB (typ)
Polarization	RHCP
Impedance	50 ohm
Frequency Temperature Coefficient	0 \pm 20ppm/C° (-40°C to 85°C)
Dielectric Constant K	20 \pm 0.50
Quality Factor, Q (=1/tan)	\geq 5000@9GHz
Temperature Coefficient of Resonant Frequency	0 \pm 20ppm/°C (-40°C to 85°C)

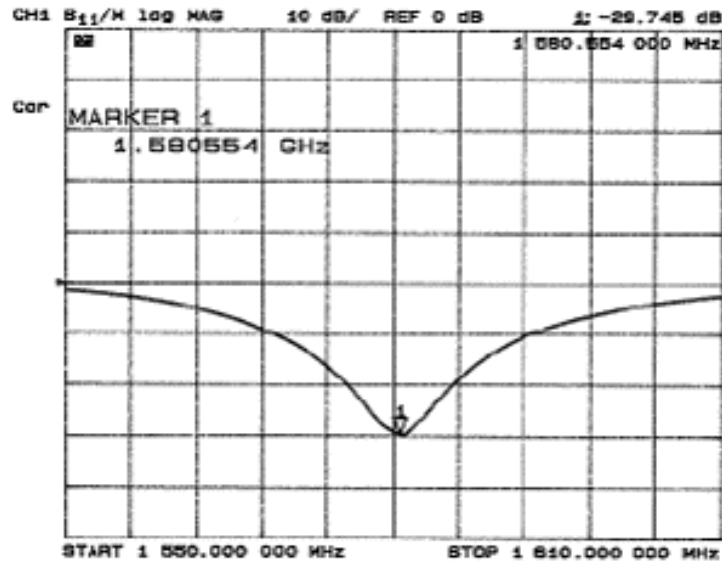




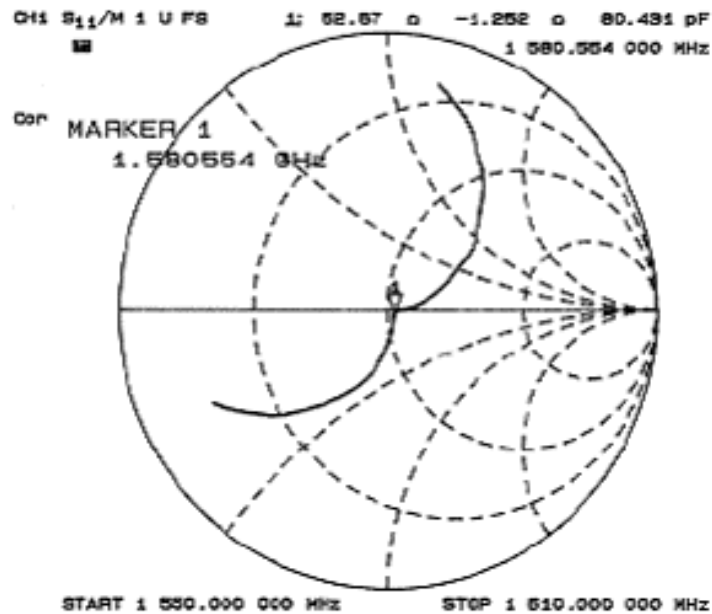
JDGA

GPS antennas for demanding requirements

Reflection Coefficient



Smith

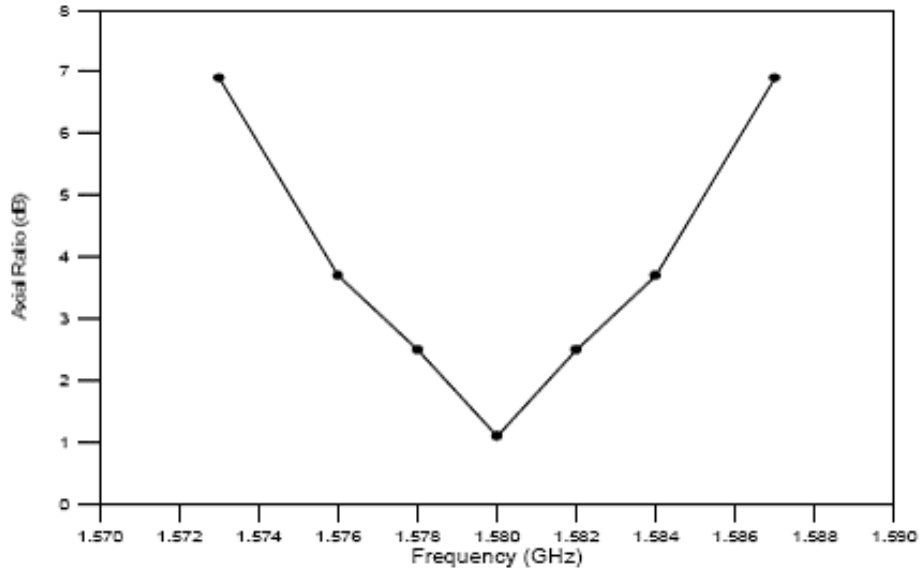




JDGA

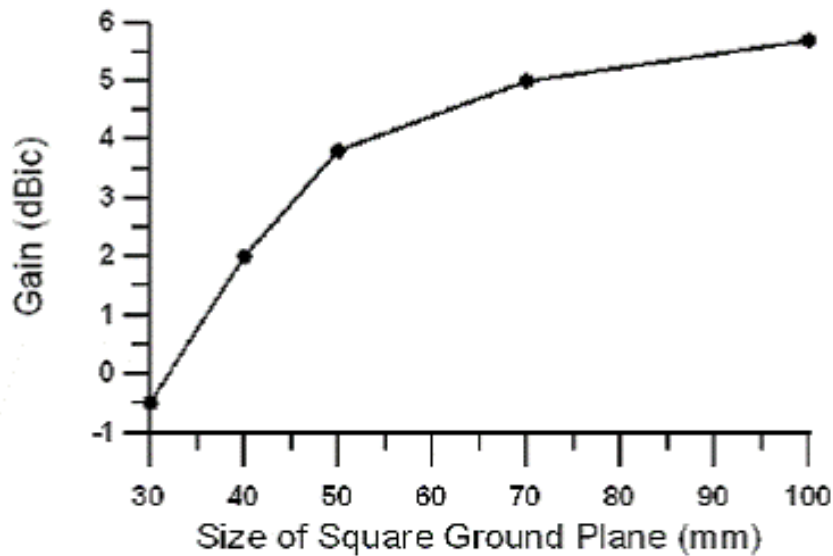
GPS antennas for demanding requirements

Axial Ratio



with 70 mm square ground plane

Antenna Gain vs Ground Plane Size





JDGA

GPS antennas for demanding requirements

PART NUMBERS	FREQUENCY MHZ
G250476P	1576
G250478P	1578
G250480P	1580
G250482P	1582
G250484P	1584
G250486P	1586
G250488P	1588
G250490P	1590
G250492P	1592
G250494P	1594
G250496P	1596
G250498P	1598