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MPA1575D104

Compact Microstrip Patch Antenna

GPS L1 Band



PRODUCT DESCRIPTION

MPA1575D104 is a ceramic microstrip patch antenna with 50% efficiency and antenna peak realized gain of 3.0 dBic. MPA1575D104 has an adhesive tape on the back for easy installation on different surfaces.

SPECIFICATIONS

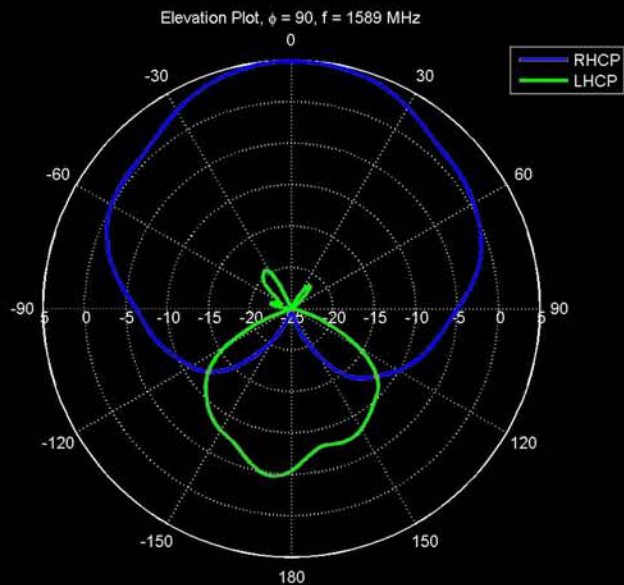
	Min	Typical	Max	Unit
Frequency	1570.42	1575.42	1580.42	MHz
Polarization		Right-Hand		RHCP
Efficiency (with RadioMax™)		N/A		% (total spherical)
Efficiency		50		% (total spherical)
Gain (with RadioMax™)		N/A		dBic
Realized Gain		3.0		dBic
Beamwidth (3dB) ¹		90		Degrees (both axis)
Bandwidth (-1dB)		13		MHz
Cross Pole Rejection		19		dB
Axial Ratio			1	dB
Front to Back Ratio		25		dB
VSWR		1.3:1		
Impedance (differential)		50		Ohms
Overall Dimensions		10 x 10 x 4		mm
Operating Temperature	-40	20	+85	°C

¹ -1dbic realized gain bandwidth

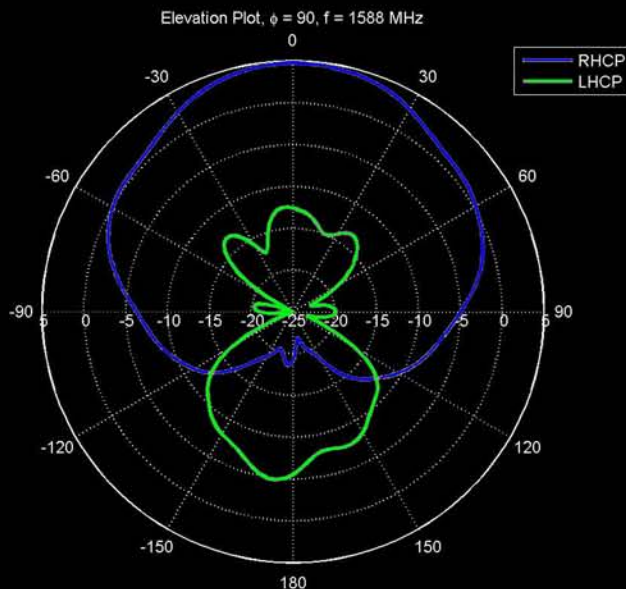


RADIATION CHARACTERISTICS

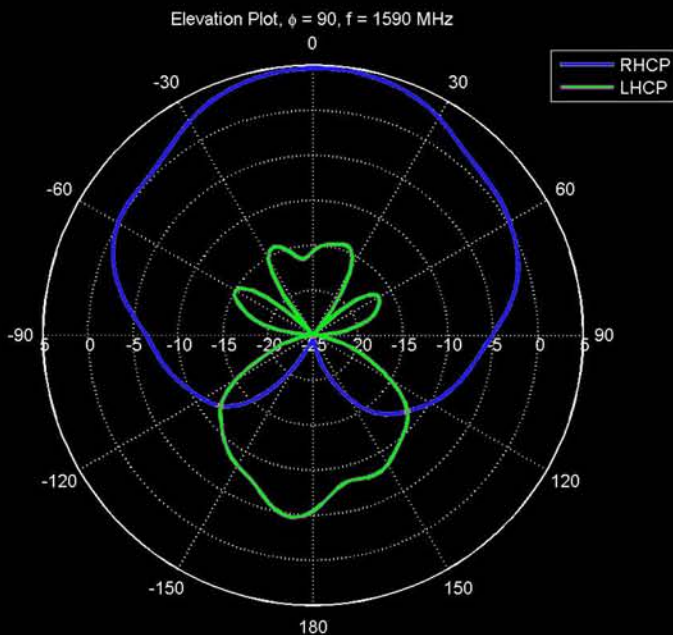
1589 MHz



1588 MHz



1590 MHz



1587 MHz

