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MPA1575D154

Compact Microstrip Patch Antenna

GPS L1 Band



PRODUCT DESCRIPTION

MPA1575D154 is a ceramic microstrip patch antenna with 72% efficiency and antenna peak realized gain of 5.3 dBic. MPA1575D154 has an adhesive tape on the back for easy installation on different surfaces.

SPECIFICATIONS

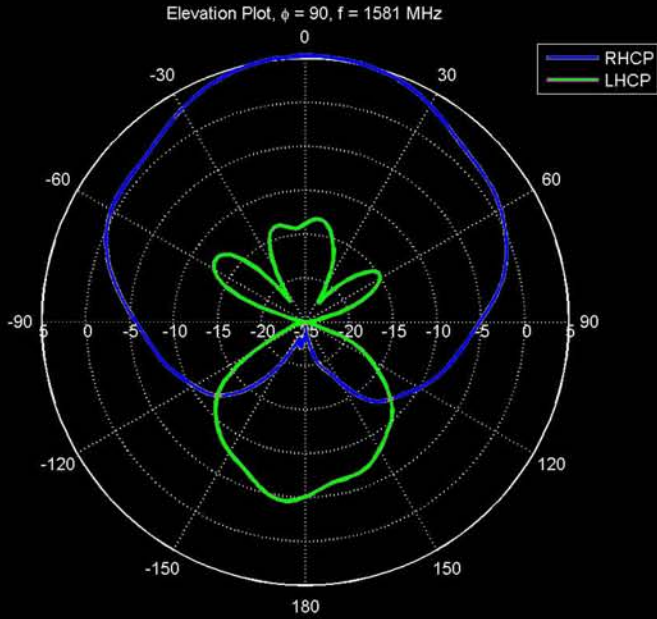
	Min	Typical	Max	Unit
Frequency	1570.42	1575.42	1580.42	MHz
Polarization		Right-Hand		RHCP
Efficiency (with RadioMax™)		N/A		% (total spherical)
Efficiency		72		% (total spherical)
Gain (with RadioMax™)		N/A		dBic
Realized Gain		5.3		dBic
Beamwidth (3dB) ¹		100		Degrees (both axis)
Bandwidth (-1dB)		16		MHz
Cross Pole Rejection	12			dB
Axial Ratio			3	dB
Front to Back Ratio		25		dB
VSWR		1.3:1		
Impedance (differential)		50		Ohms
Overall Dimensions		15 x 15 x 4		mm
Operating Temperature	-40	20	+85	°C

¹ -1dbic realized gain bandwidth

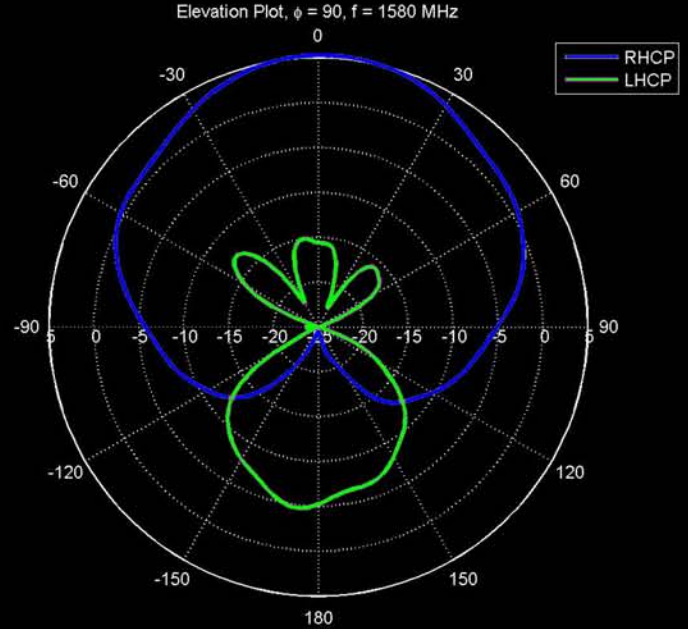


RADIATION CHARACTERISTICS

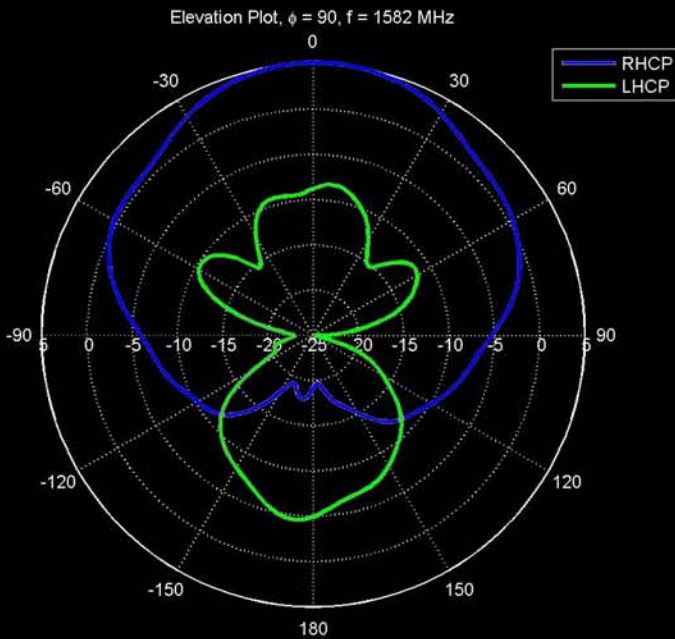
1581 MHz



1580 MHz



1582 MHz



1579 MHz

