

## NANOGREEN INTERNAL EMBEDDED ANTENNA

The miniaturization of wireless mobile communication devices has created the need for ever smaller internal antennas. Laird's NanoGreen is small in size, yet provides a wide bandwidth to cover a variety of applications in a single antenna. The highly durable Nano Green is ideal for 802.11 and Bluetooth® applications. It is designed to be embedded inside devices for aesthetically pleasing integration with high durability.

### FEATURES AND BENEFITS



- Covers 2.4 to 2.5 GHz for 802.11b and 4.9 to 6 GHz for 802.11a
- Coaxial cable pigtailed with various connector choices
- Omni-directional patterns at all frequencies with increased gain in upper bands for optimal coverage
- US, European and Japanese WLAN applications

### MARKETS

- WiMAX.
- 802.11
- Bluetooth®

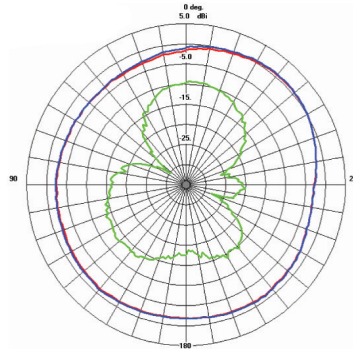
### SPECIFICATIONS

NANOGREEN	
Frequency	2.4 - 2.5 GHz 4.9 - 6.0 GHz
Gain	0.9 dBi (2.45 GHz) 2.3 dBi (4.90 GHz) 3.1 dBi (5.25 GHz) 4.8 dBi (5.87 GHz)
Polarization	Vertical, Omnidirectional
Nominal Impedance	50 Ohms
VSWR	< 2:1
Size (in)	2 x 0.65

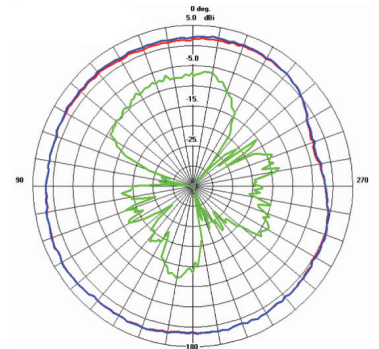
MODEL	PART #	CABLE	CONNECTOR
NanoGreen IP04	MAF94109	100mm, 1.13mm	IPEXMHF
NanoGreen FL04	MAF95057	100mm, RG-178	Flying Lead

# Internal Wireless Antenna NanoGreen

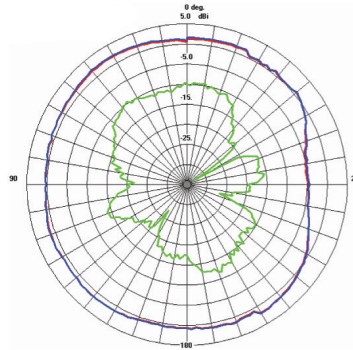
**2.45  
GHz**



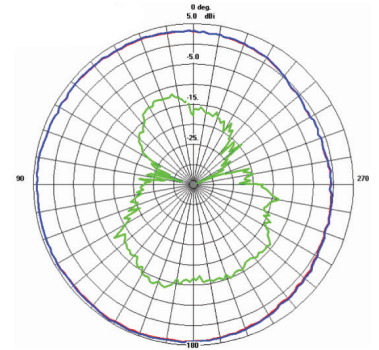
**5.25  
GHz**



**4.9  
GHz**



**5.875  
GHz**



IAS-DS-NANOGREEN 0614

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