

PA-915-01

915 MHz Patch Antenna Datasheet

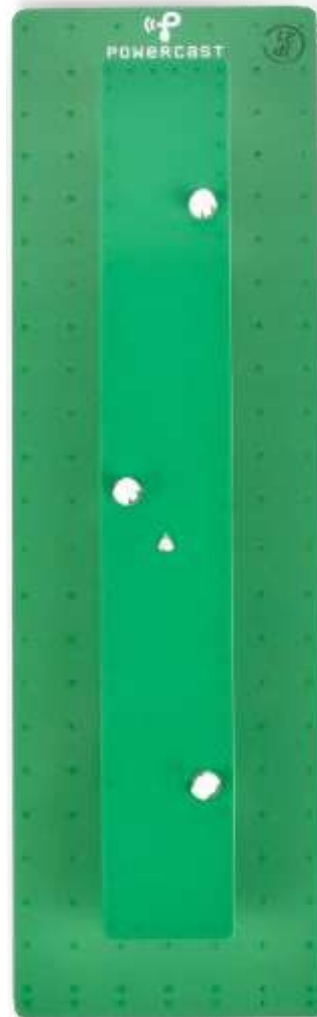


DESCRIPTION

Powercast's PA-915-01 antenna is a patch antenna designed to work in the UHF RF range. It has linear polarization and a directional radiation pattern. The SMA connector makes it ideal when testing with development kits that need UHF RF energy, specifically RFID and energy harvesting.

ANTENNA PARAMETERS

Parameter	Specification
Frequency Range	902 – 928 MHz
Peak Gain	4.80 (6.8 dBi)
Return Loss	< -10dB (908.3 – 920.5 MHz)
Impedance	50 ohms
Radiation Pattern	Horizontal
Half-Power Bandwidth	120° vertical 62° horizontal
Polarization	Linear – Vertical
VSWR	< 2:1 (908 - 921 MHz)
Connector	SMA



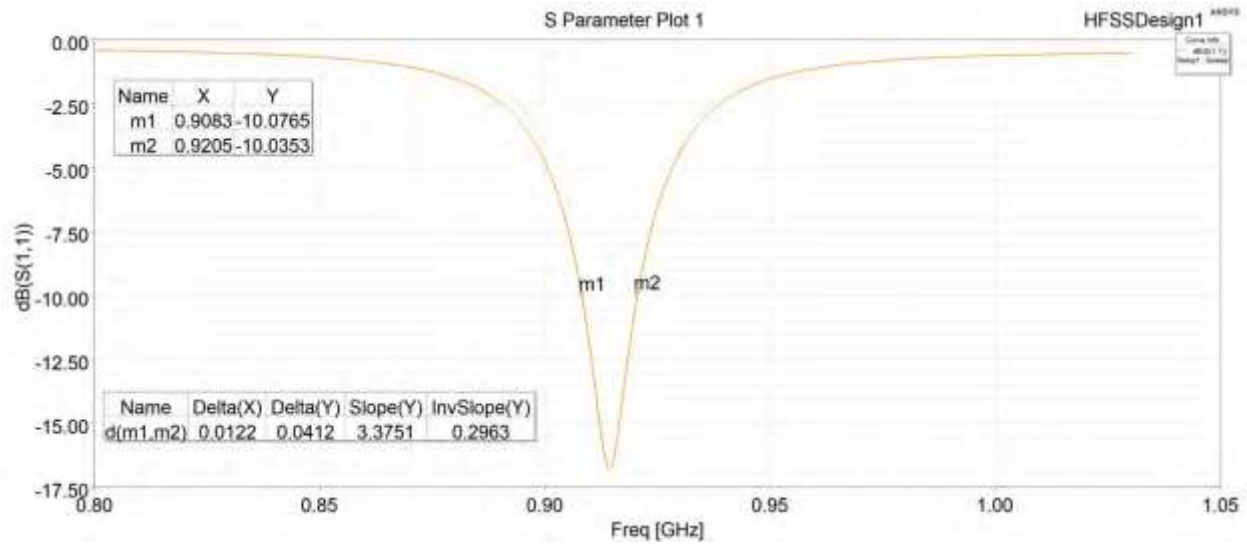
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PA-915-01

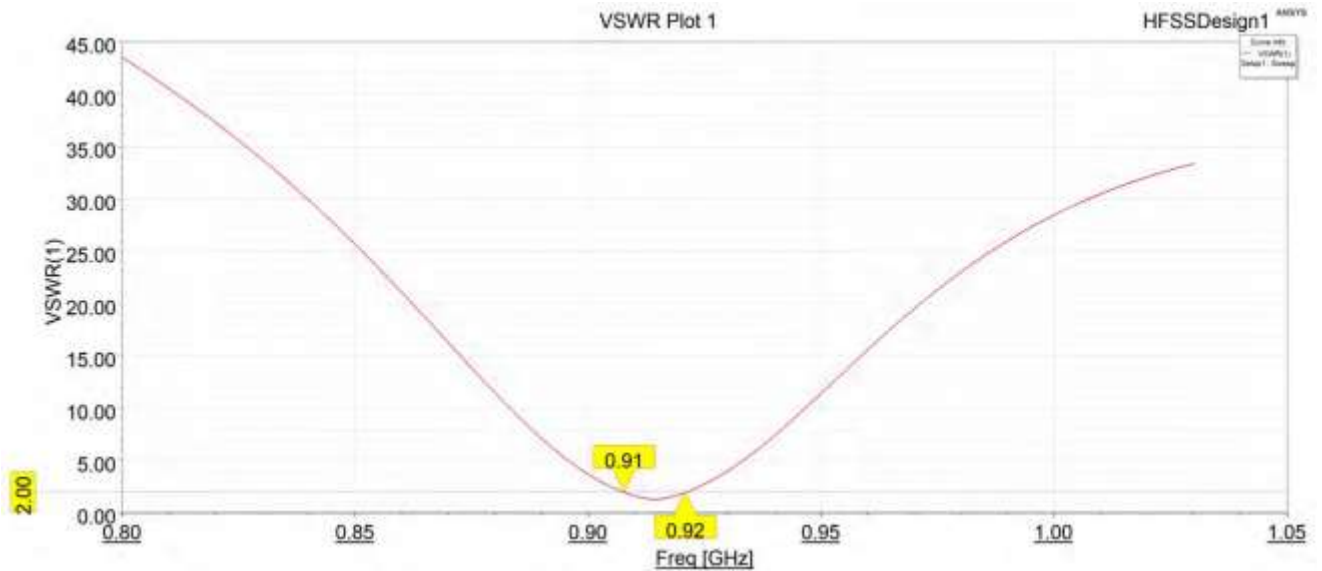
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RETURN LOSS



VSWR



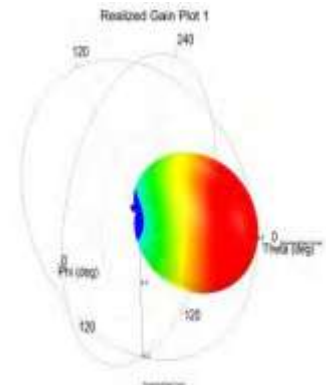
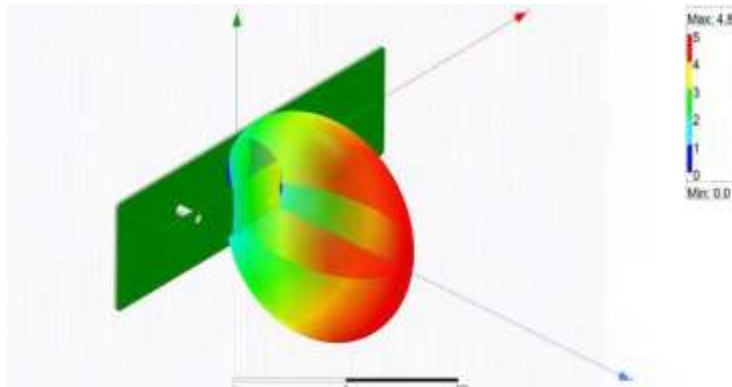
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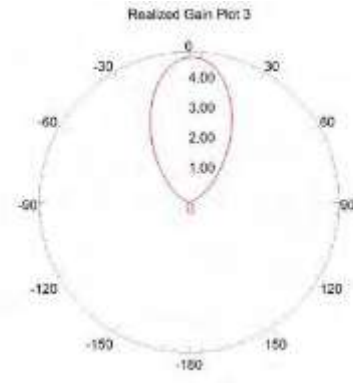
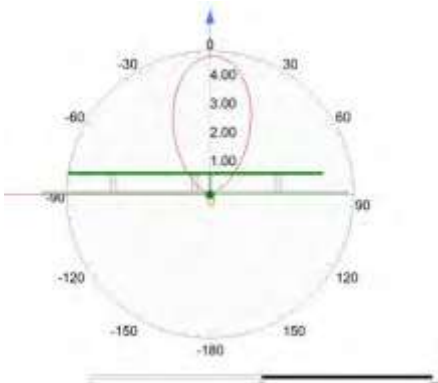


RADIATION PATTERN, LINEAR

Radiation Pattern



Front Radiation Pattern

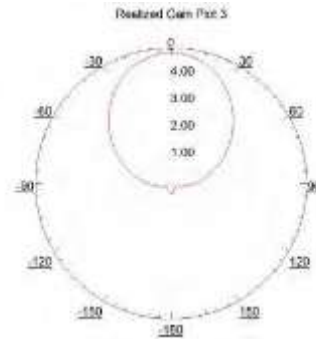
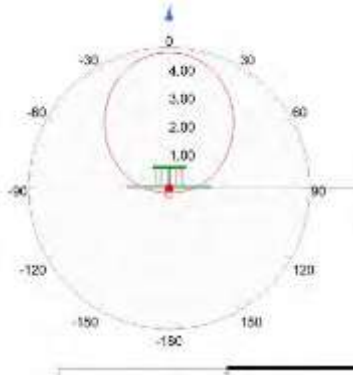


PA-915-01

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Side Radiation Pattern



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