

DA-915-01

915 MHz Dipole Antenna Datasheet



DESCRIPTION

Powercast's DA-915-01 antenna is a dipole antenna designed to work in the UHF RF range. It has linear polarization and an omnidirectional radiation pattern. It utilizes a sleeve-like balun to eliminate impedance mismatches when being fed from an unbalanced source. This, along with 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	1.50 (1.7 dBi)
Return Loss	< -10dB (894 – 949 MHz)
Impedance	50 ohms
Radiation Pattern	Omni-Directional
Half-Power Bandwidth	80°
Polarization	Linear – Vertical
VSWR	< 2:1 (892 – 952.0 MHz)
Connector	SMA



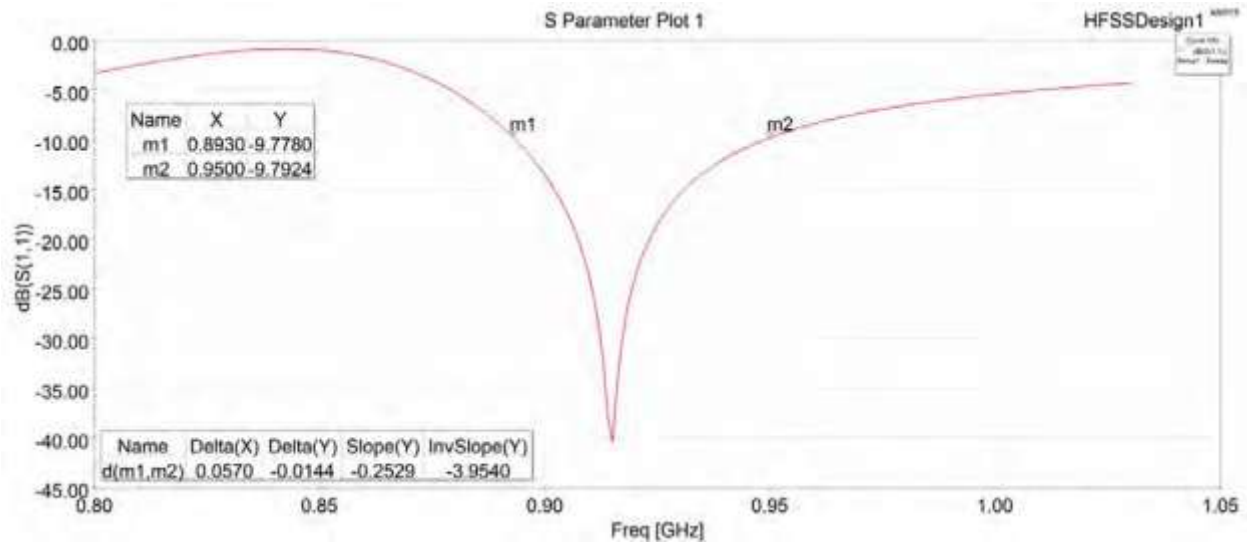
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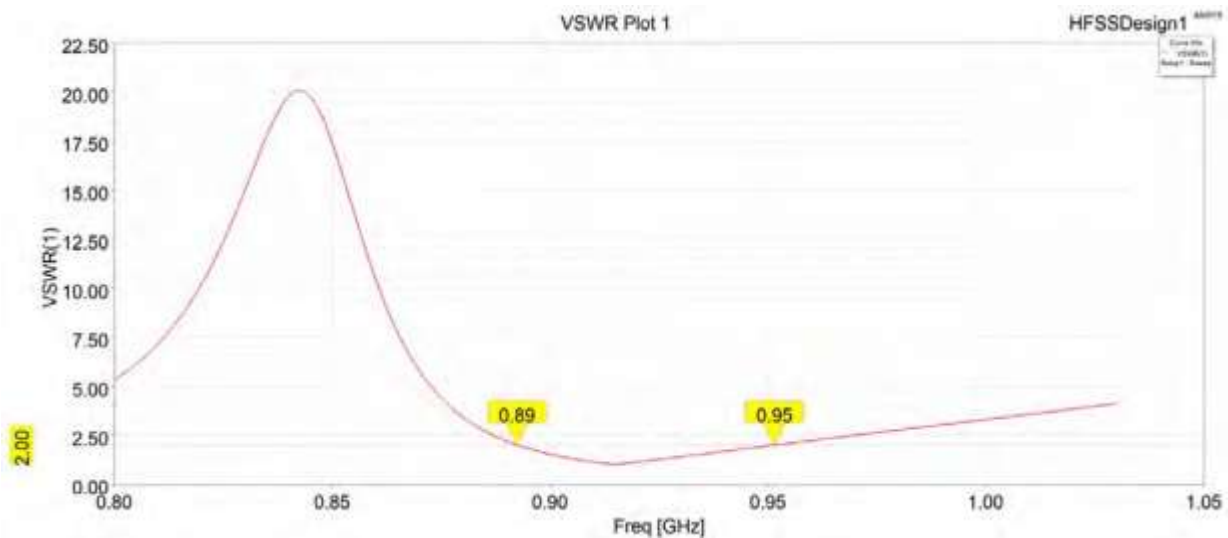
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RETURN LOSS



VSWR



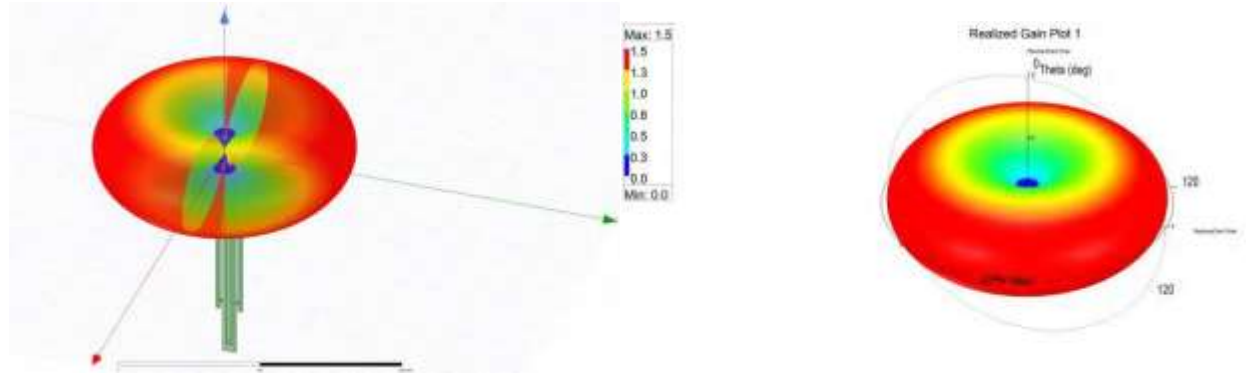
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RADIATION PATTERN, LINEAR

Radiation Pattern



Front Radiation Pattern

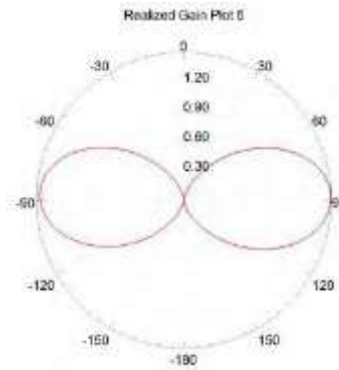
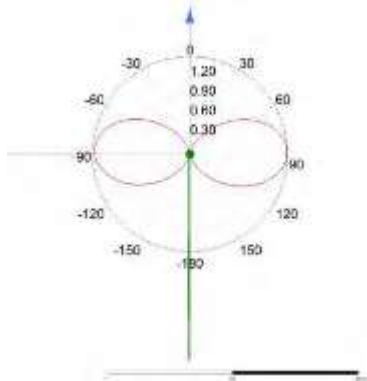


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Side Radiation Pattern



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