Technology Solutions for Retail

Slim, Rugged UHF RFID Antenna

CI-A908





The CI-A908 slim UHF RFID antenna is specially designed for harsh, demanding environments. Its ultra-thin profile fits tight installation spaces, and its IP67 protection rating makes it highly water- and dust-resistant — ideal for shopping centers, warehouse management, asset tracking and more.

Features

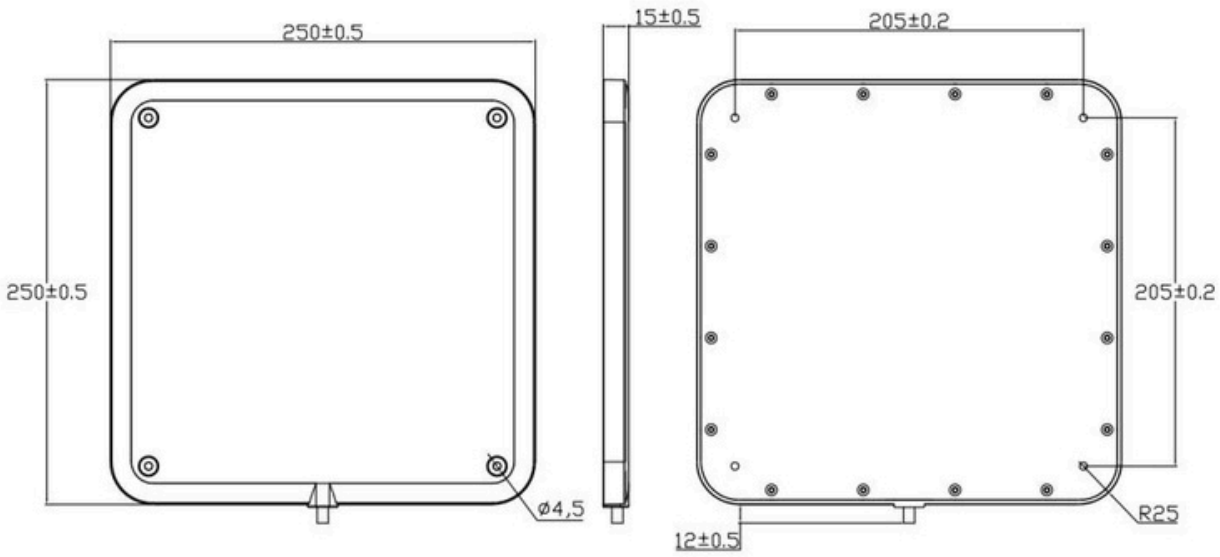
- 902-928Mhz or 866-868Mhz
- 8.5dBi antenna gain, circular polarization
- Ultra-thin 15 mm design suited to tight installation spaces
- IP67 waterproof and heat-resistant for harsh environments

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Parameters

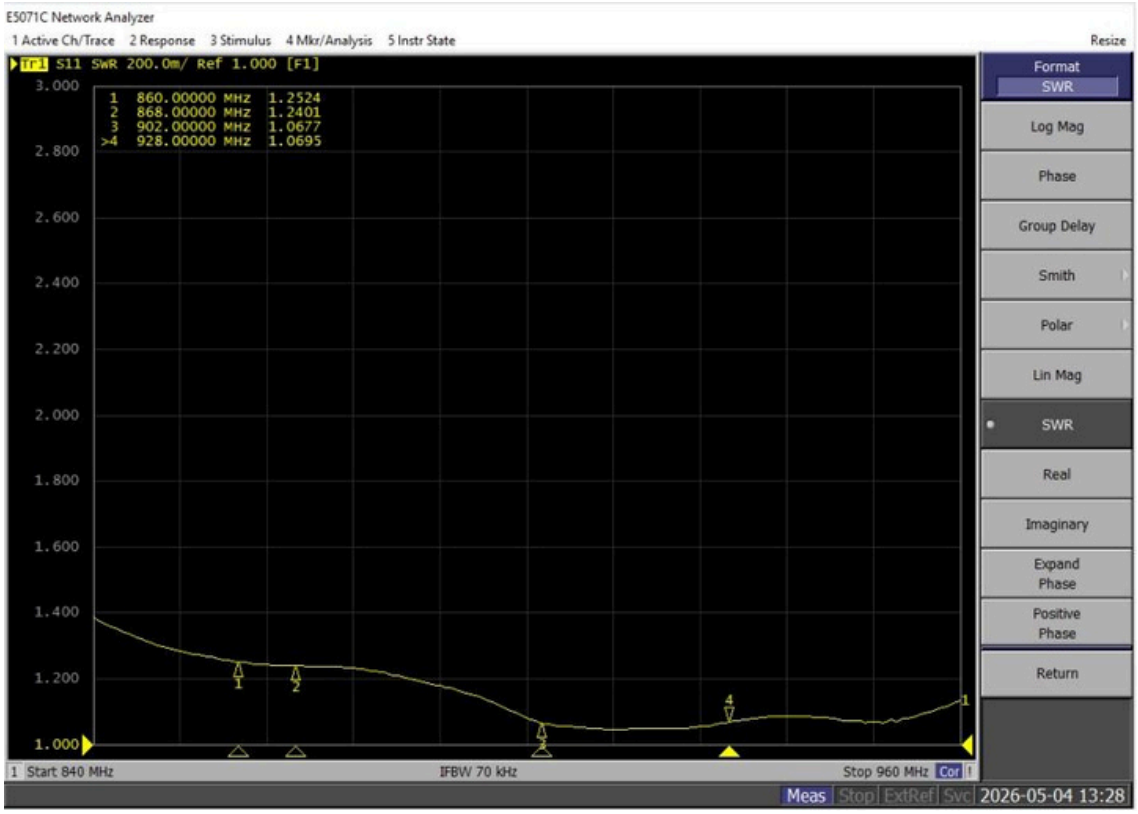
Electrical specifications	
Operating Frequency	865-868Mhz or 902-928MHz
Antenna Gain	8.5dBi
Polarization	Circular
Beam Width(°)	Hor:68±5 Ver:68±5
Lightning protection	DC Ground
VSWR	≤1.3
Axial ratio(dB)	≤2
Impedance	50Ω
Maximum power	10W
Connector	SMA-K
Mechanical Specifications	
Product Dimension	250*250*15mm
Net weight	0.59kg
Connector position	Side lead
Radome Material	PC
Radome Colour	White
IP Rating	IP67
Operating temperature	-40～ + 110℃

Product dimensions

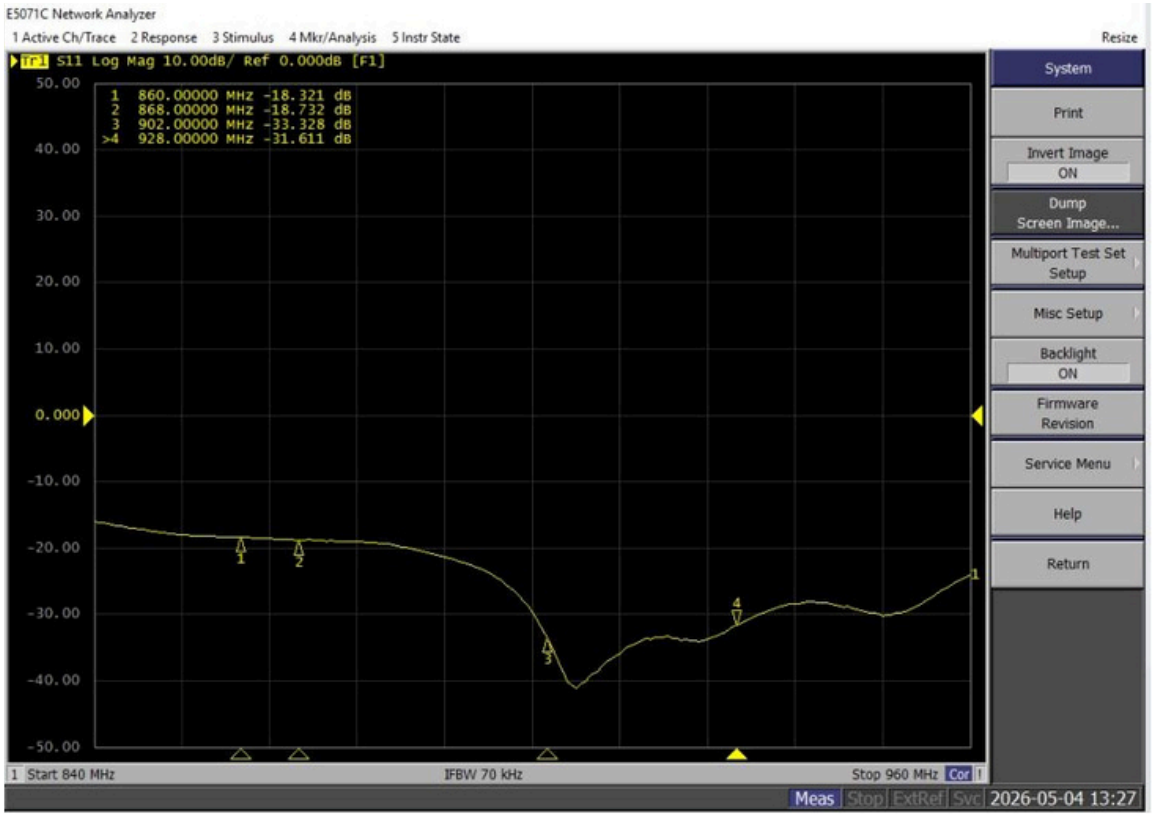


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VSWR patterns

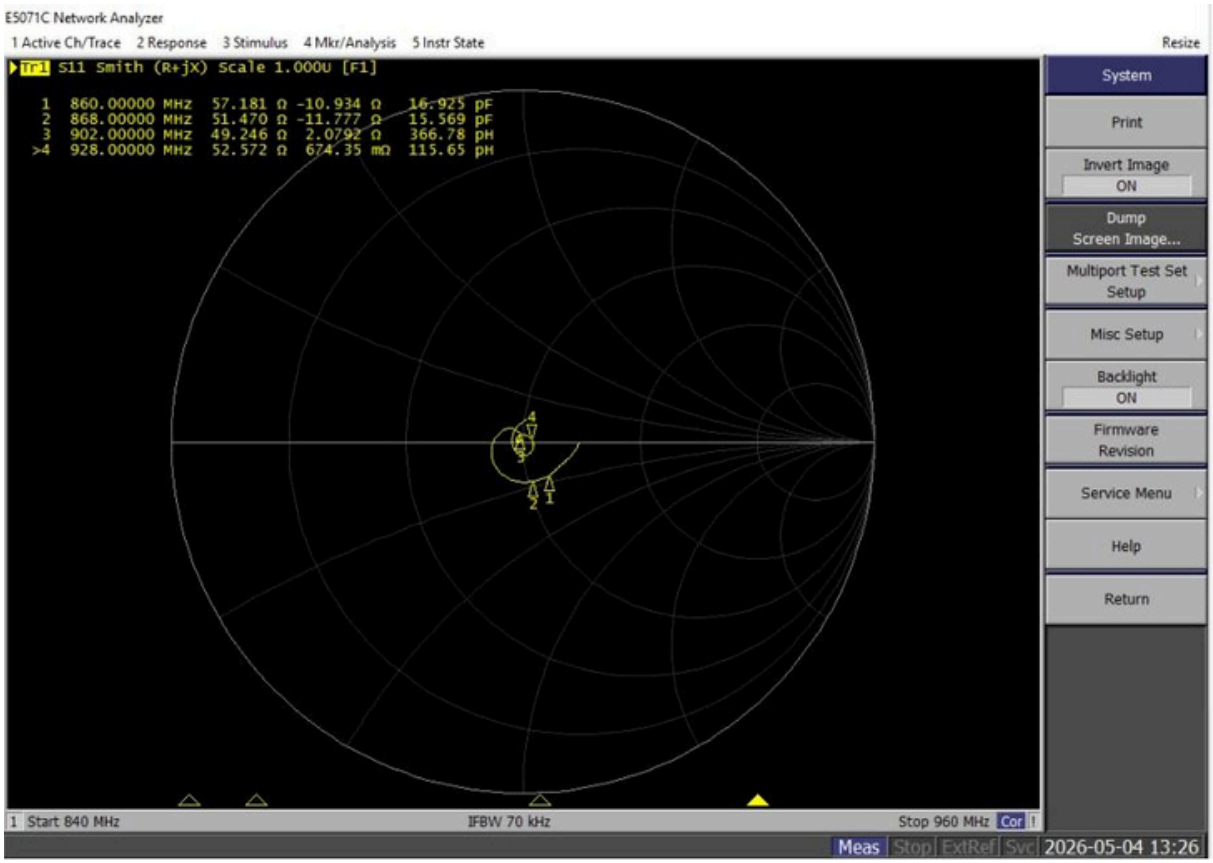


S11

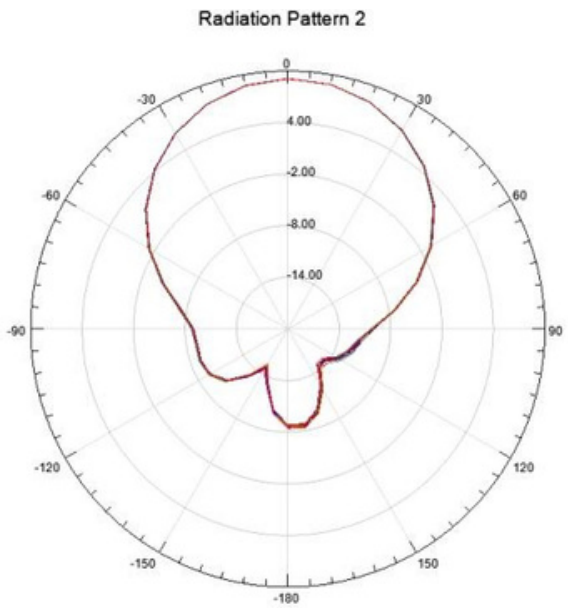


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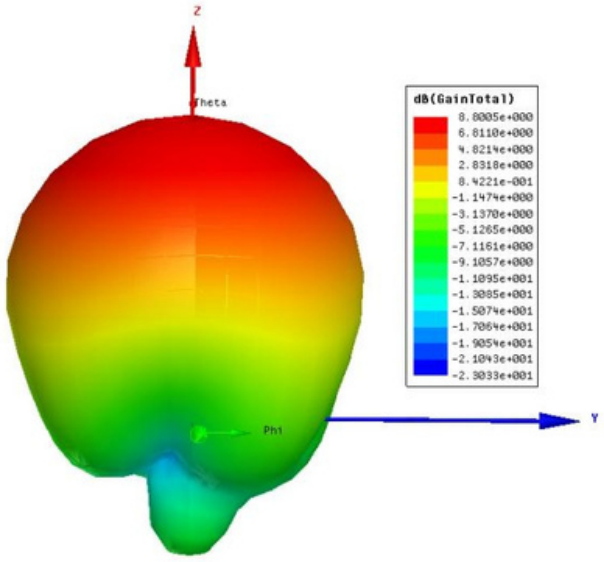
Smith



Radiation patterns



2D



3D

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