

Internal Antenna E3 and S-PWRSENS3

Test Report

Independent Antenna Testing

BluFlux, LLC

Testing Overview

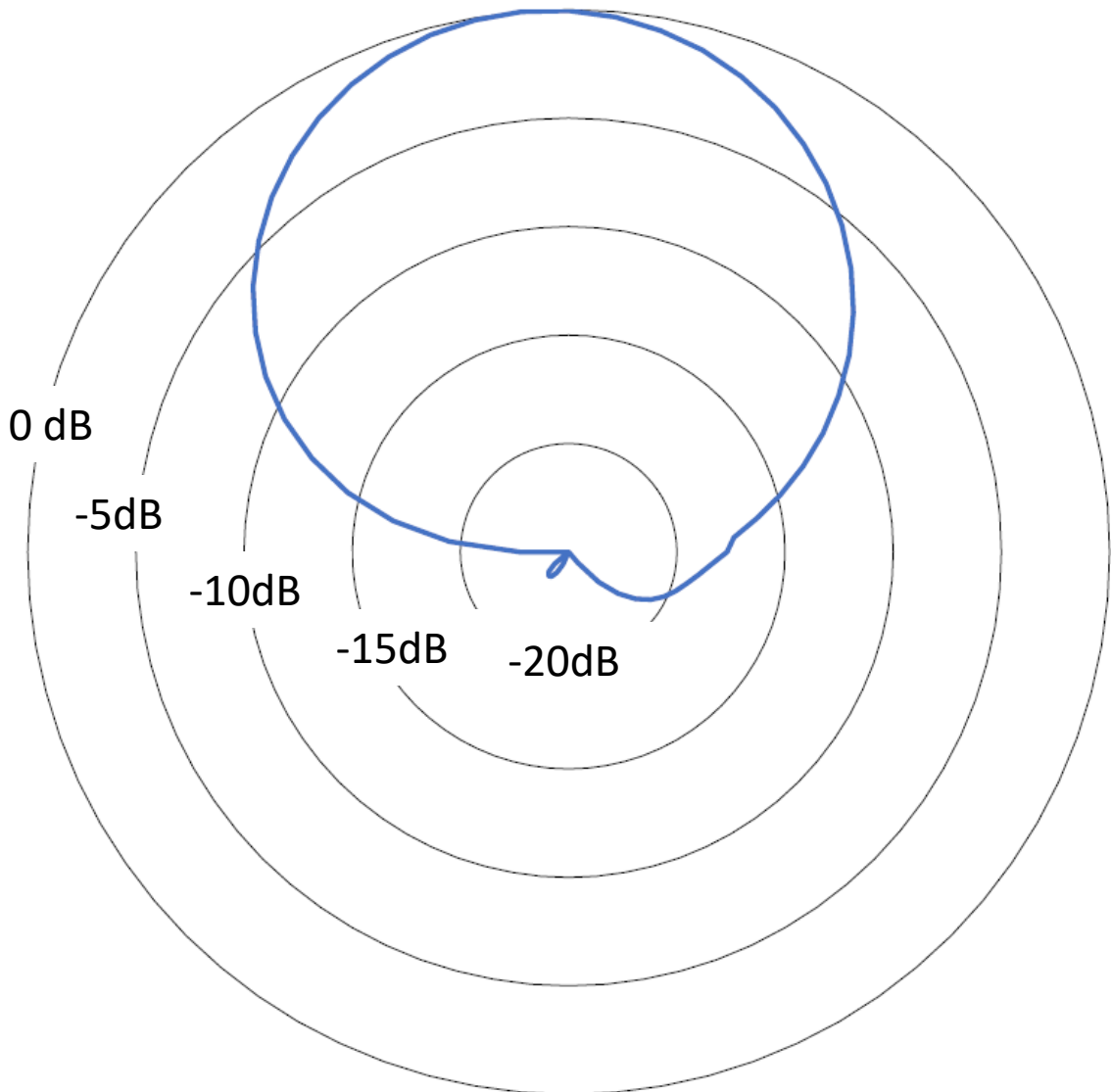
- BluFlux, LLC
 - A2LA and CTIA authorized test lab
 - Metrology certified by NIST
 - Louisville, CO
- Key Technical contact: Ben Wilmhoff

Performance

• Beamwidth	70 degrees (FWHM)
• Directivity	9 dBic
• Bandwidth	860 – 930 MHz
• Polarization	Right Hand Circular (RHCP)
• Maximum Power	10W
• Input impedance	50 Ohm
• VSWR, Max	1.33
• VSWR, Typical	1.2
• Front to Back Ratio	>25 dB
• Lighting Protection	DC grounded
• Cover material	Polycarbonate (PC)
• Physical Size	25.4 x 25.4 x 2.4 (cm)
• Connector	RP SMA

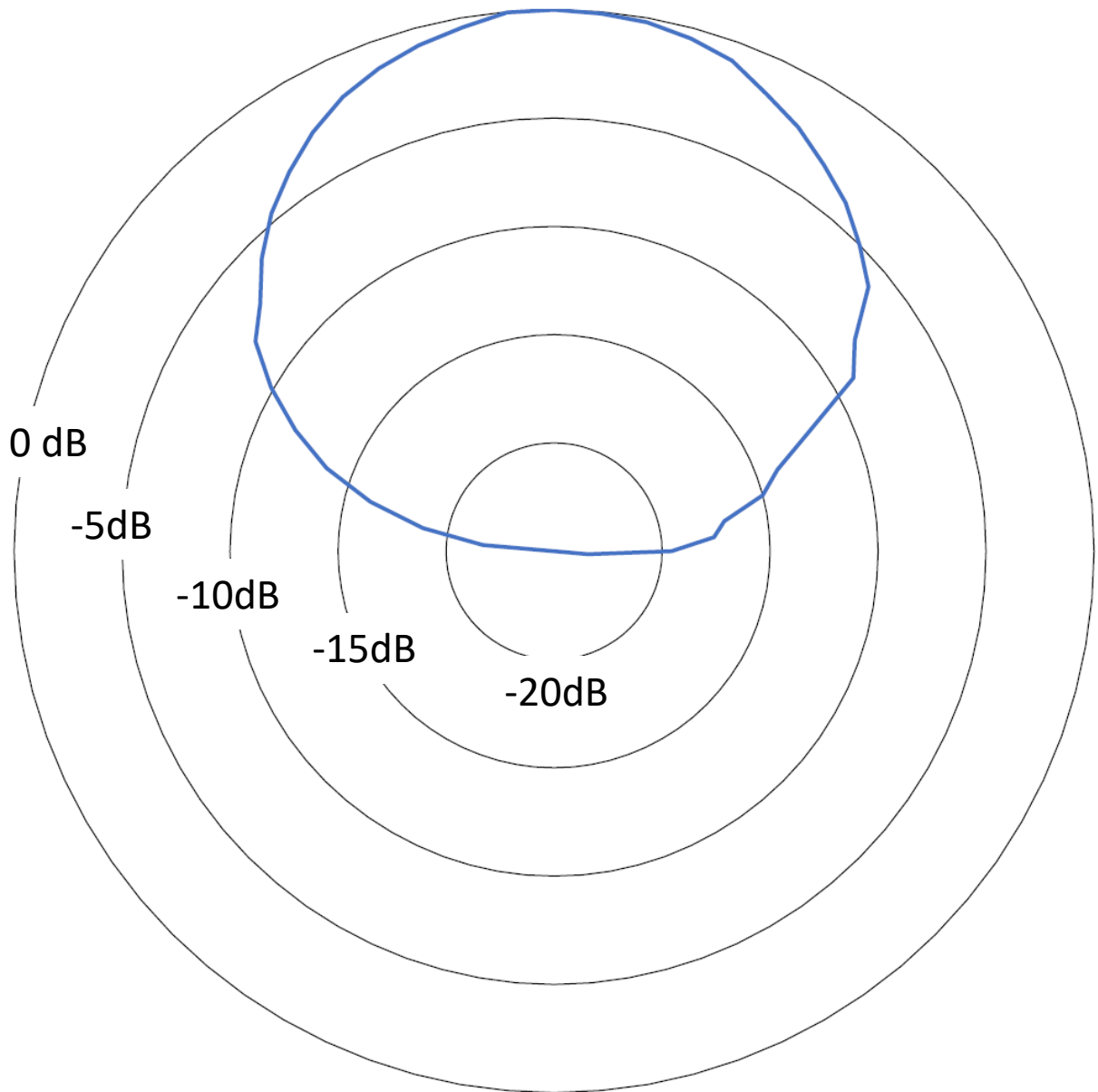
Phi Cut Radiation Pattern

Normalized, 5dB/div
Peak Gain = 9 dBic

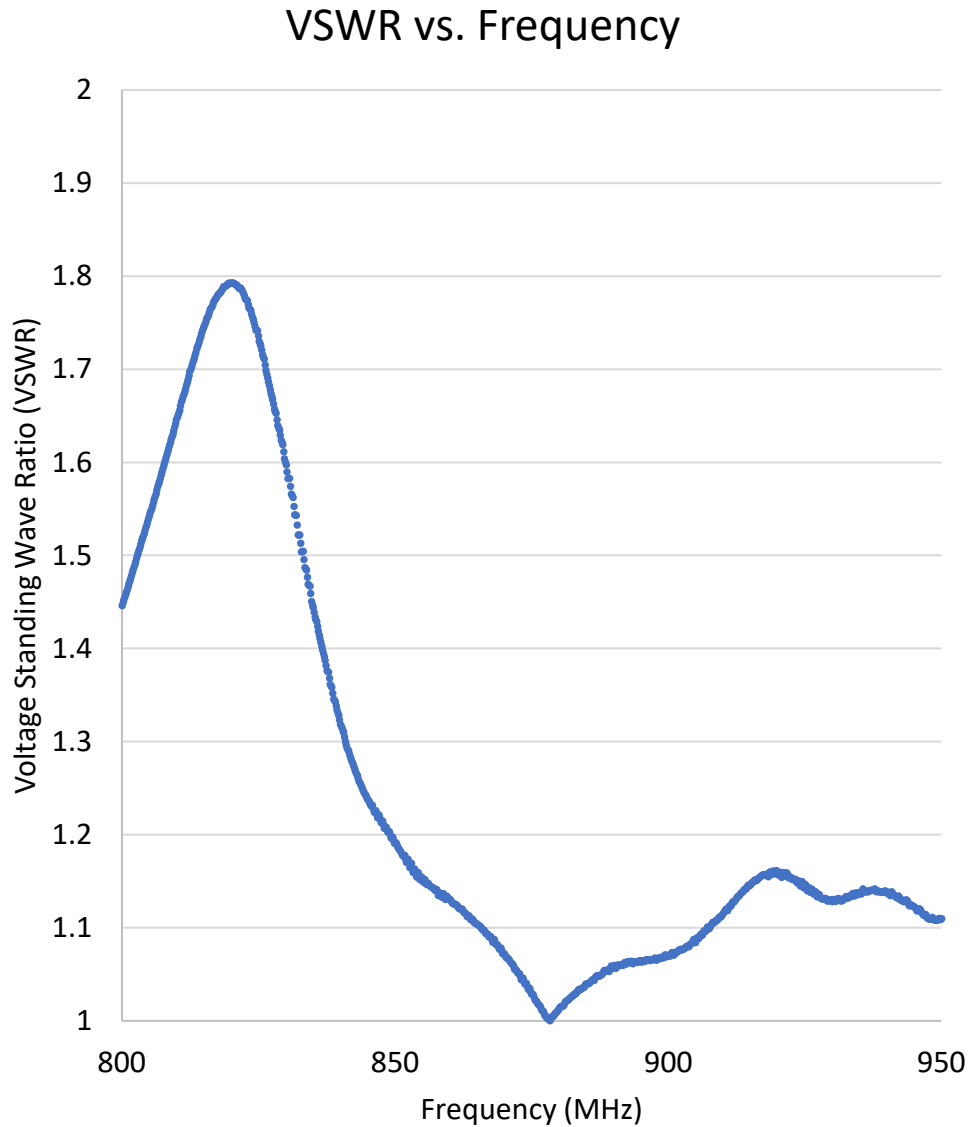


Theta Cut Radiation Pattern

Normalized, 5 dB/div
Peak Gain = 9 dBic



VSWR Performance



Return Loss

