

## SC1000 Satellite Patch Antenna



Patch antenna on the board



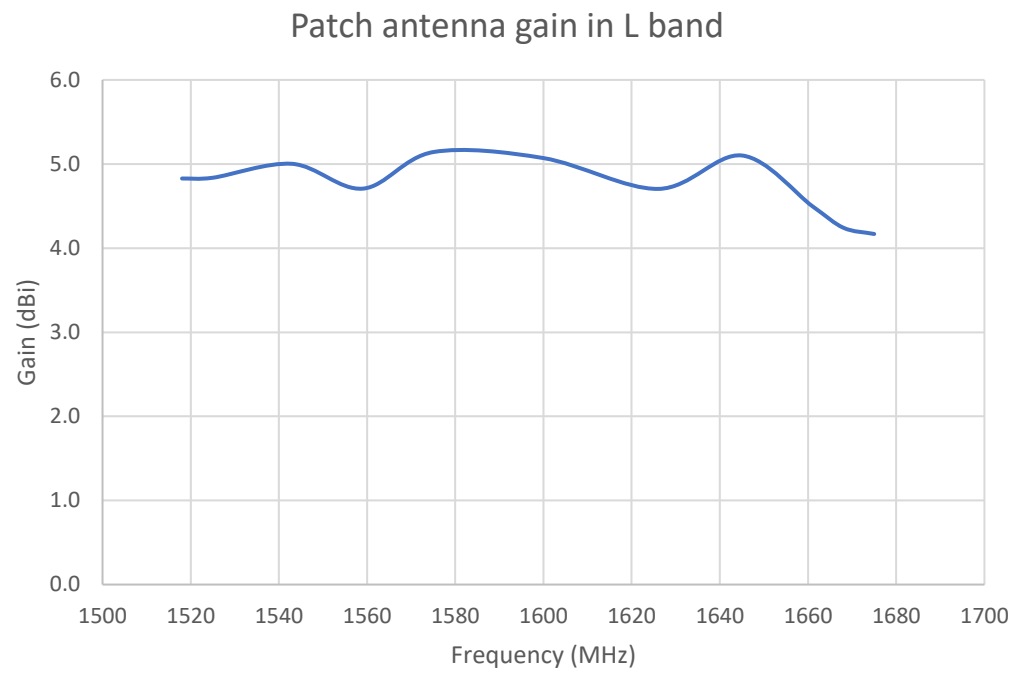
Patch antenna in the enclosure with encapsulant

- L-band satellite Patch antenna.

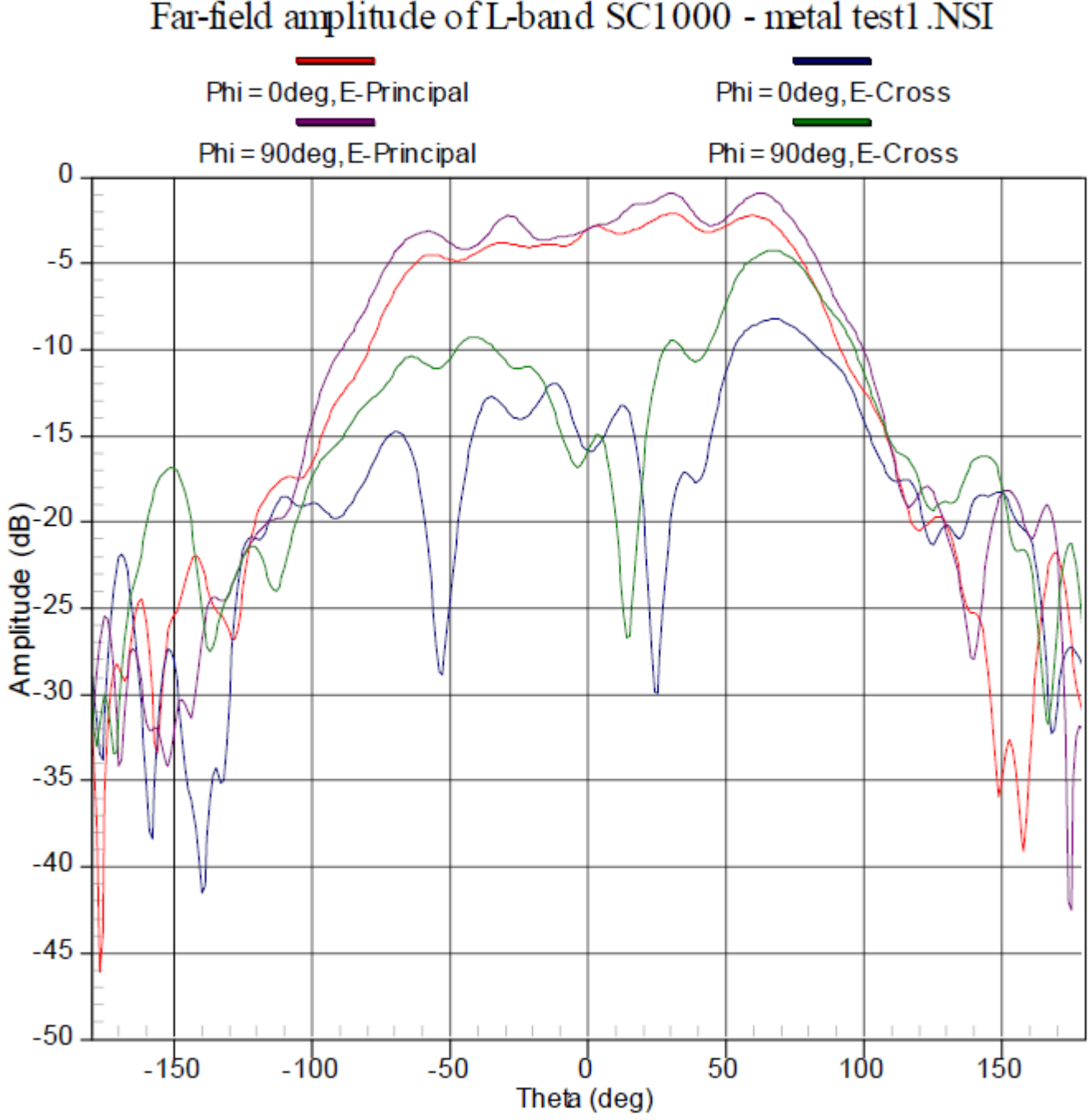
### Technical data

Dimensions	43.4 mm × 39.7 mm x 12 mm
Temperature range	-40 ~ +85°C
Frequency range	1525-1660.5 MHz
Impedance	50 Ohm
Return loss	<-10dB (With matching)
Gains	5.0dBi max 1525-1559MHz 5.1dBi max 1560-1605MHz 5.1dBi max 1626.5-1660.5MHz
Efficiency (typical)	60%

## Antenna Gain (max.)

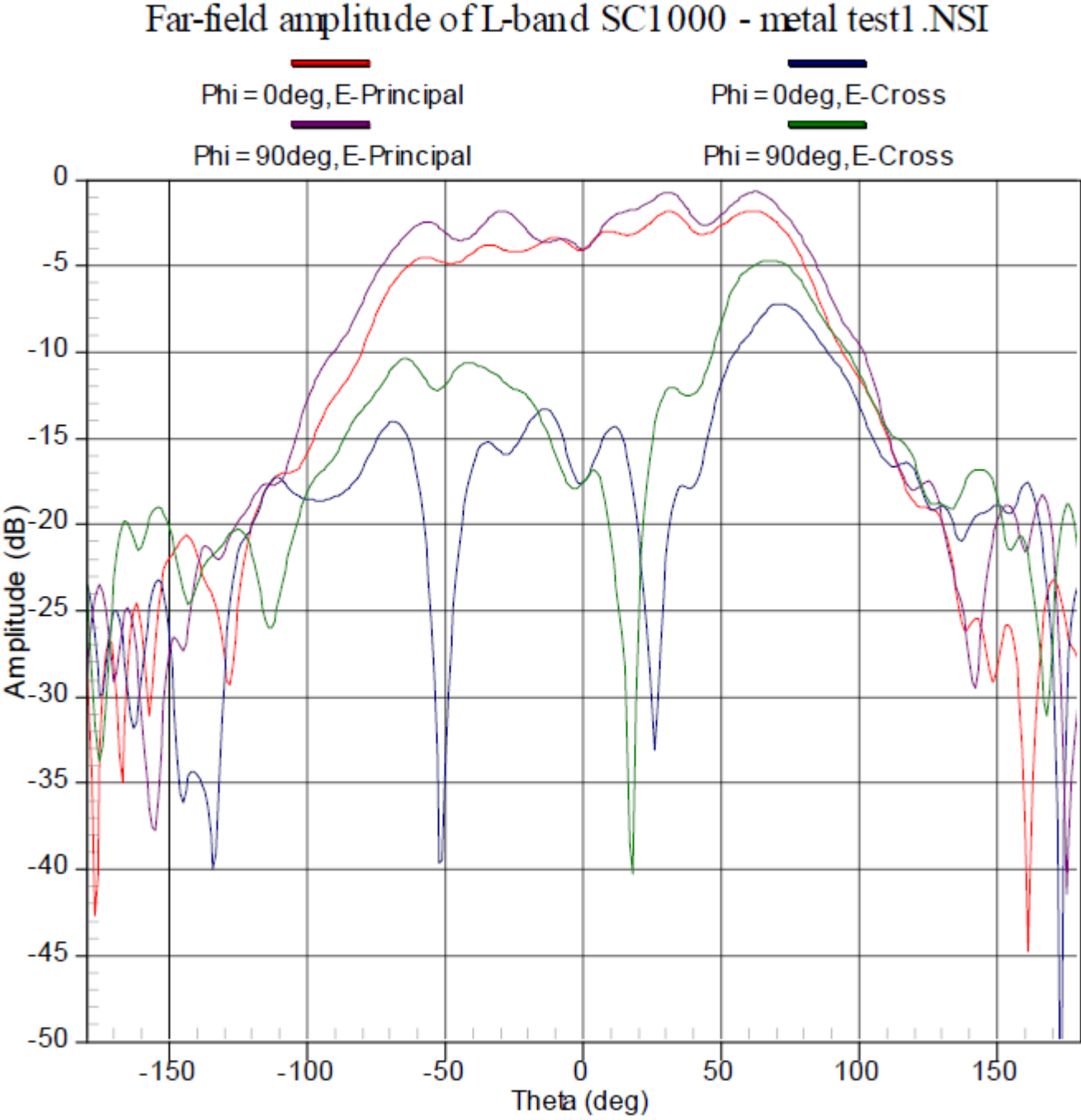


# Antenna Radiation Patterns



Elevation patterns for normalized gains at 1525MHz

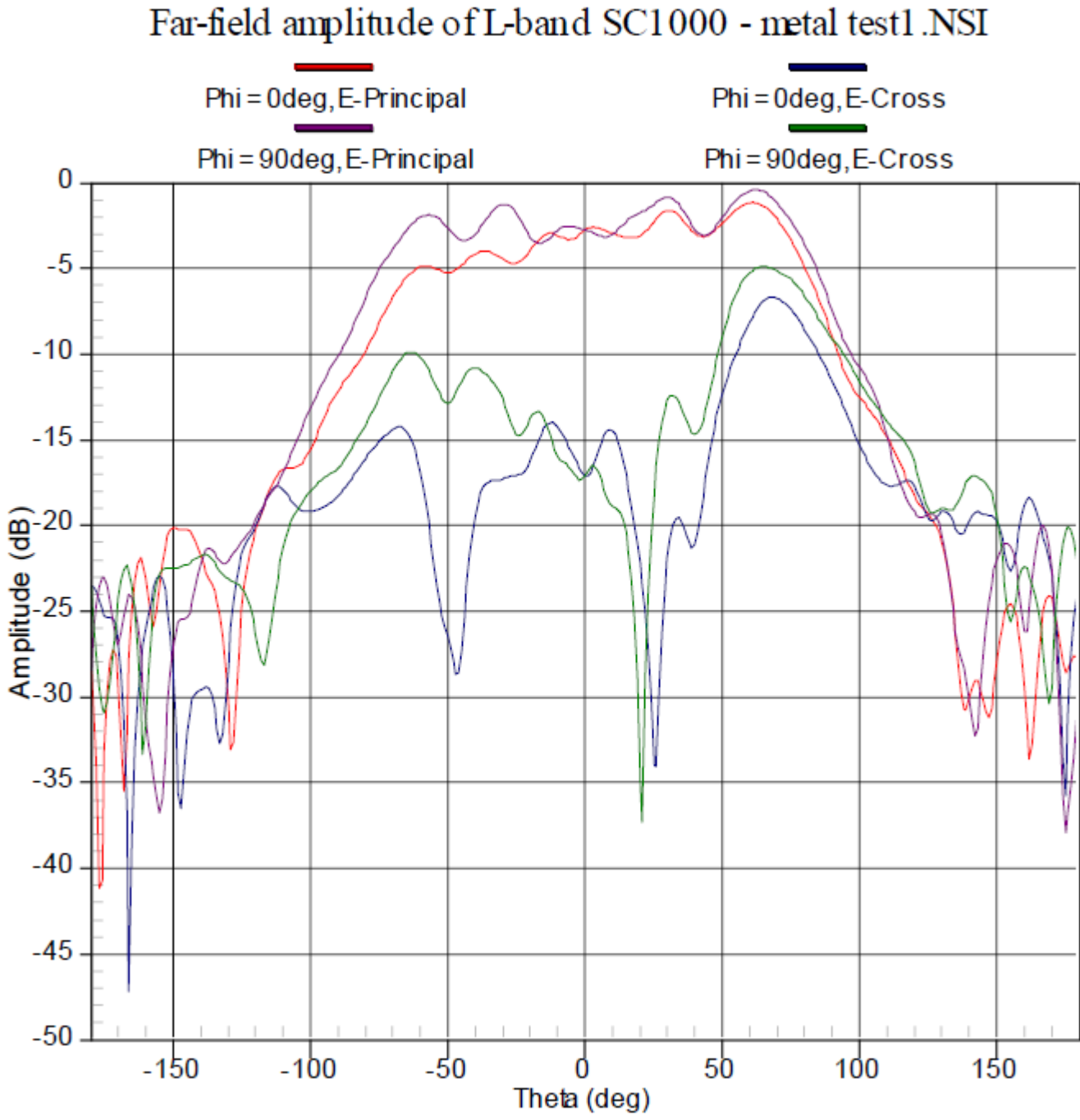
# Antenna Radiation Patterns



Elevation patterns for normalized gains at 1543MHz

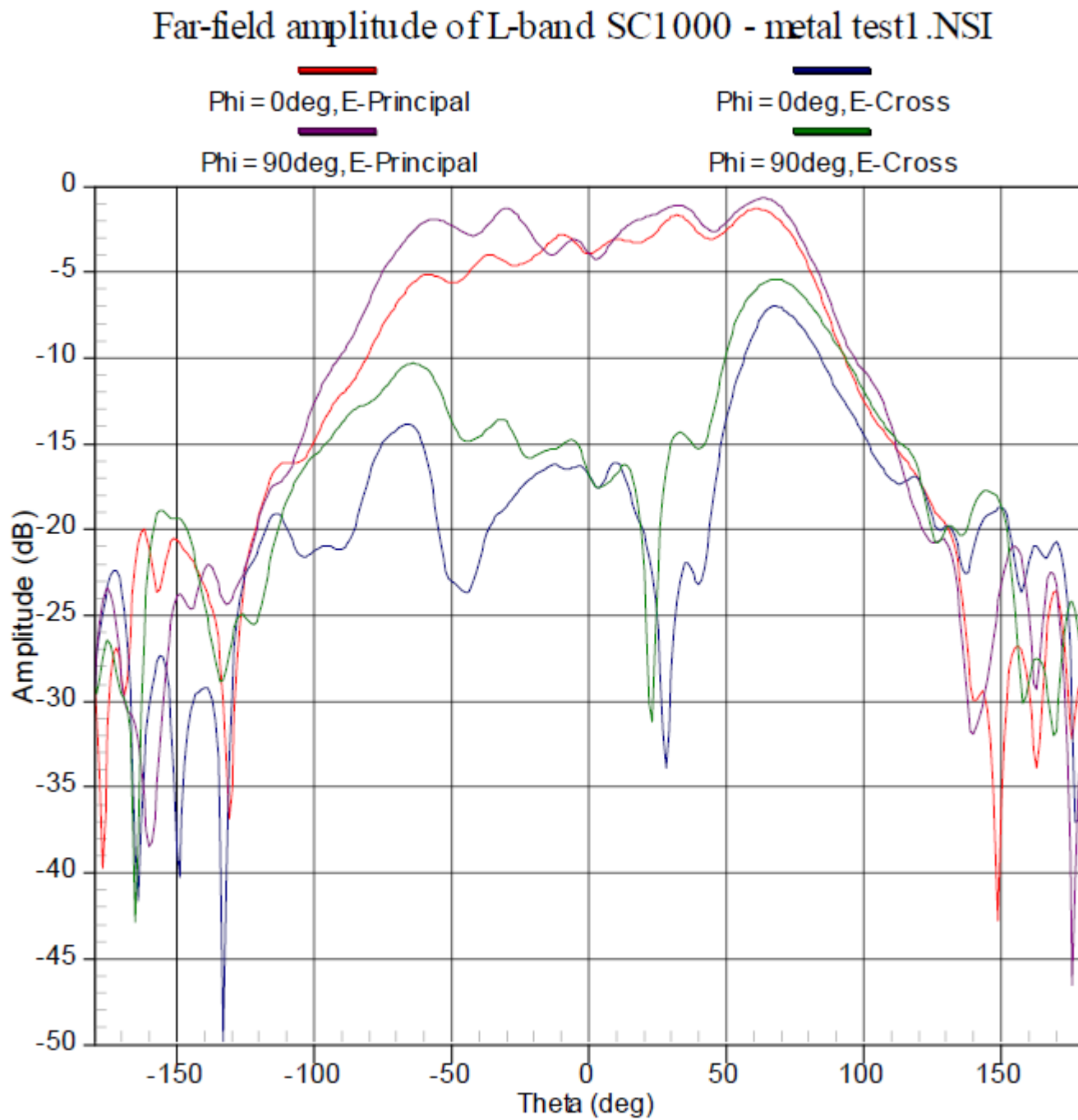
# Antenna Radiation Patterns

Elevation patterns for normalized gains at 1559MHz



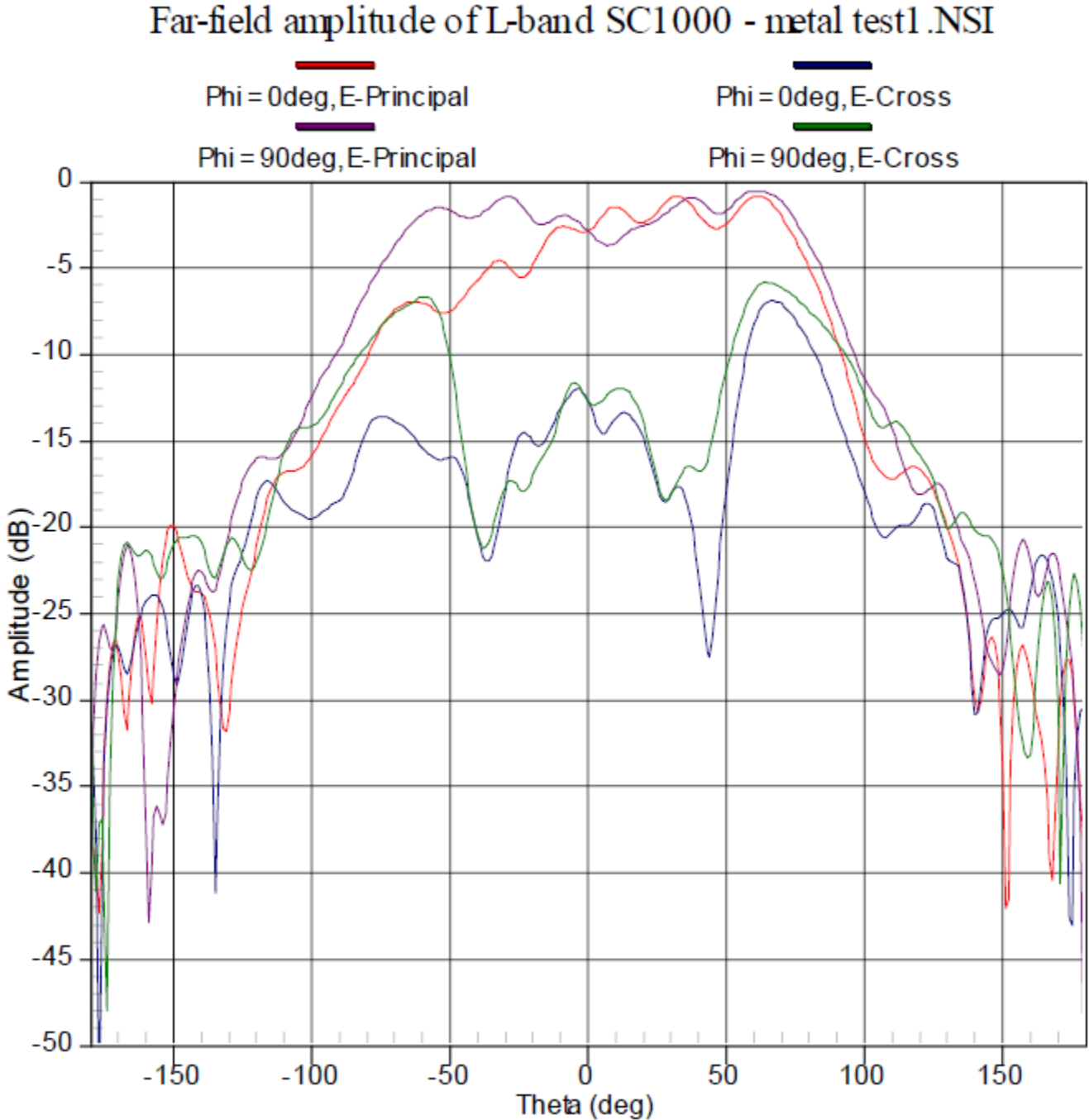
Elevation patterns for normalized gains at 1559MHz

## Antenna Radiation Patterns



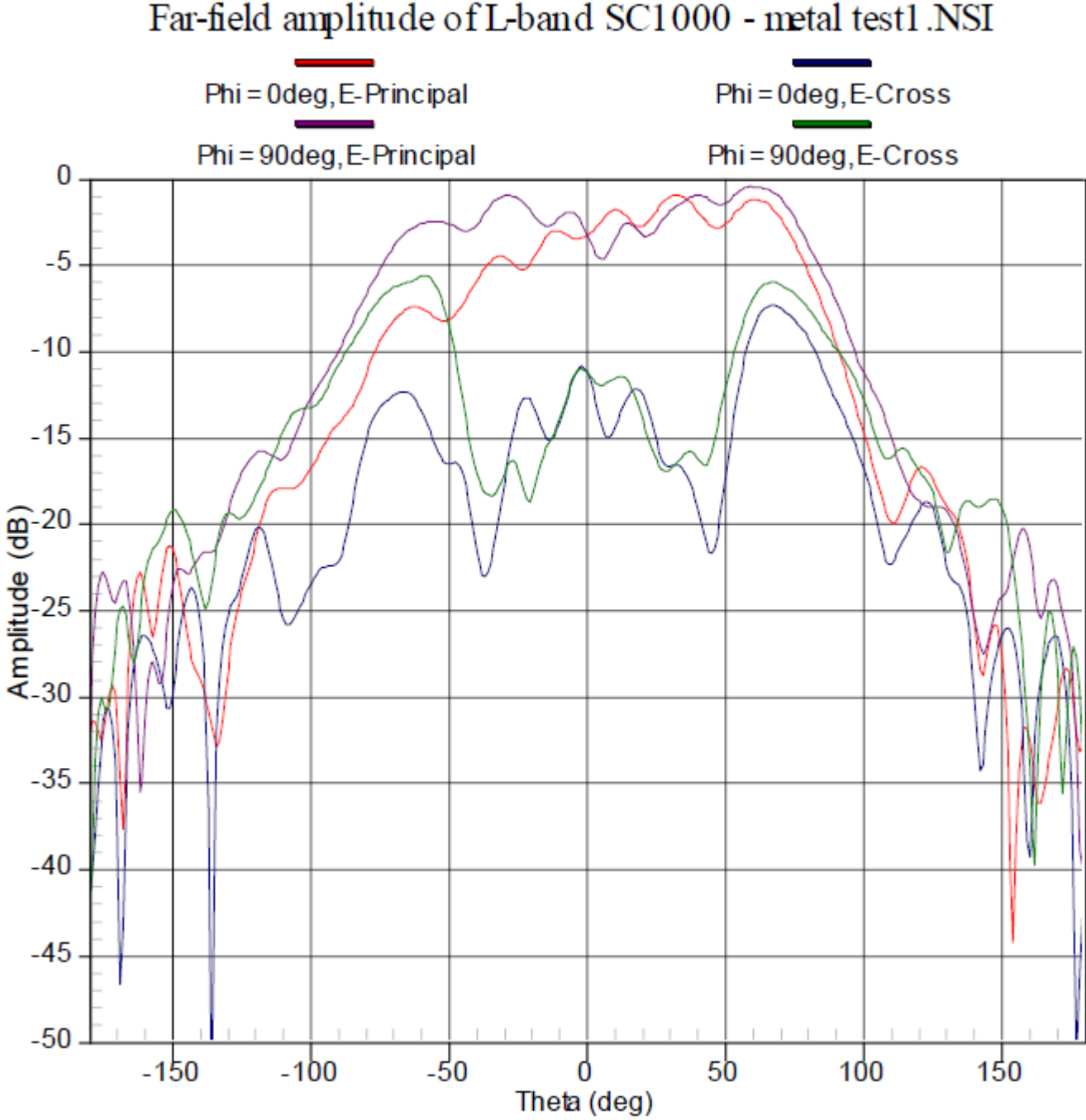
Elevation patterns for normalized gains at 1575MHz

# Antenna Radiation Patterns



Elevation patterns for normalized gains at 1626MHz

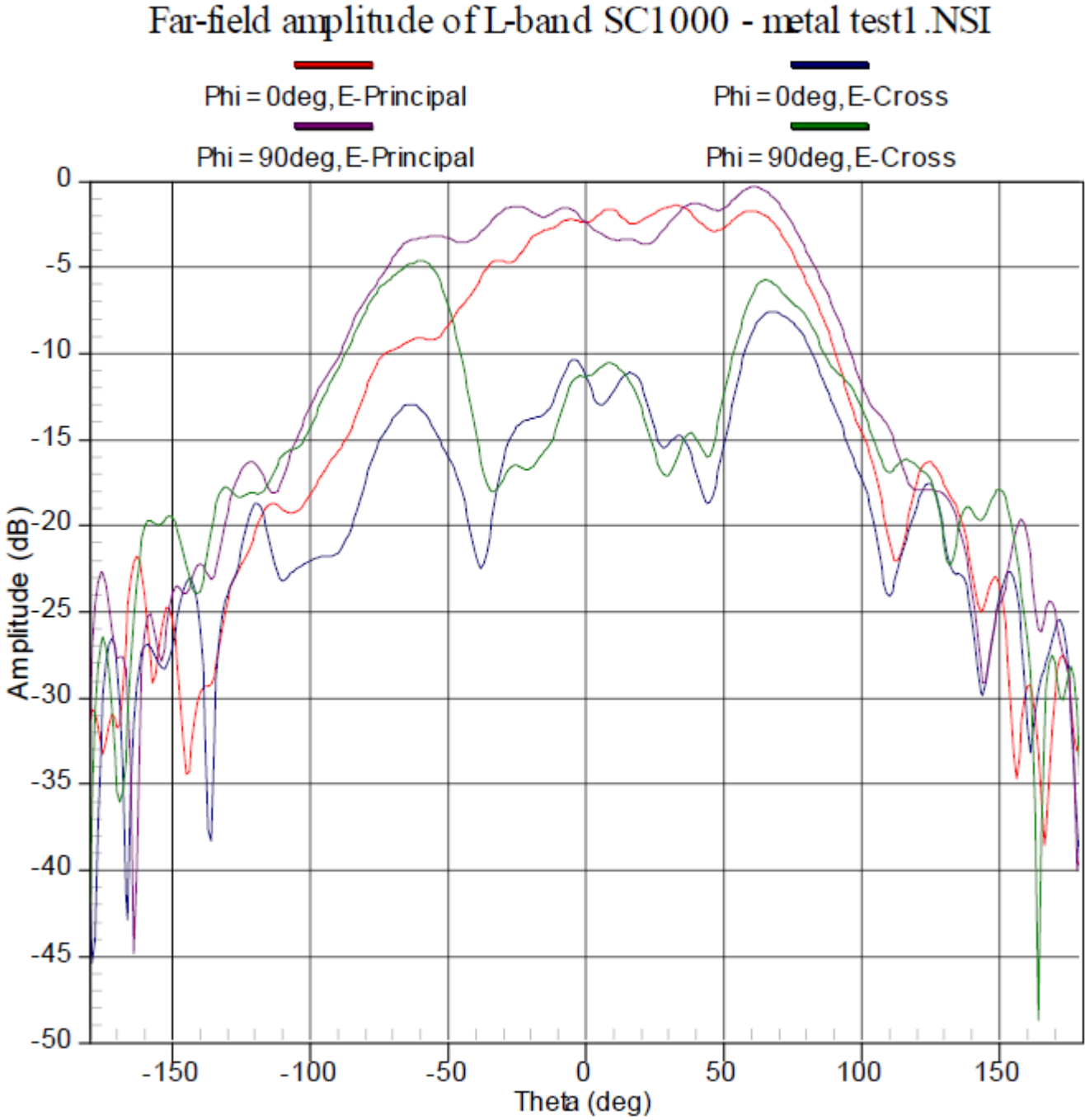
# Antenna Radiation Patterns



Elevation patterns for normalized gains at 1645MHz

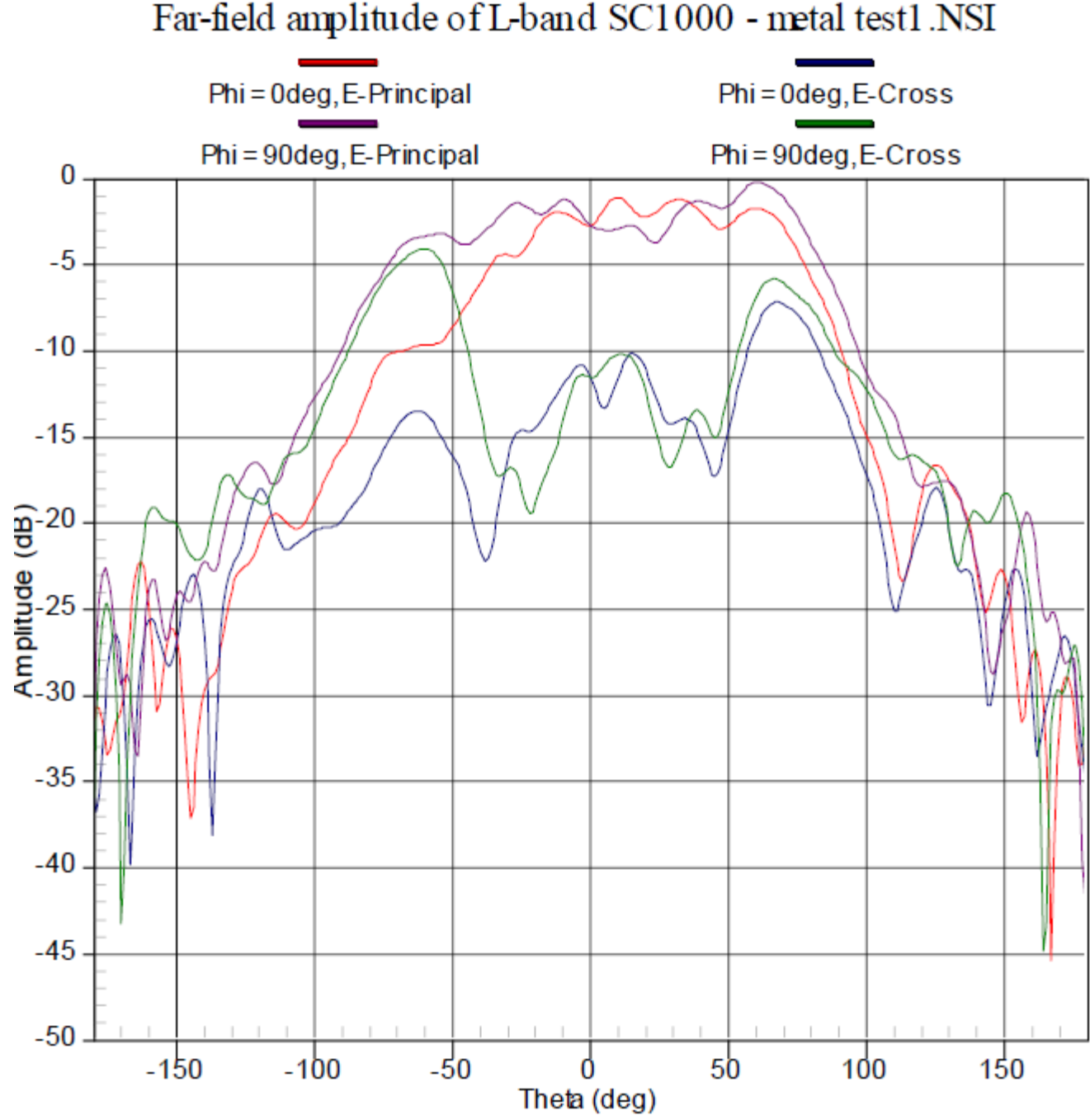


# Antenna Radiation Patterns



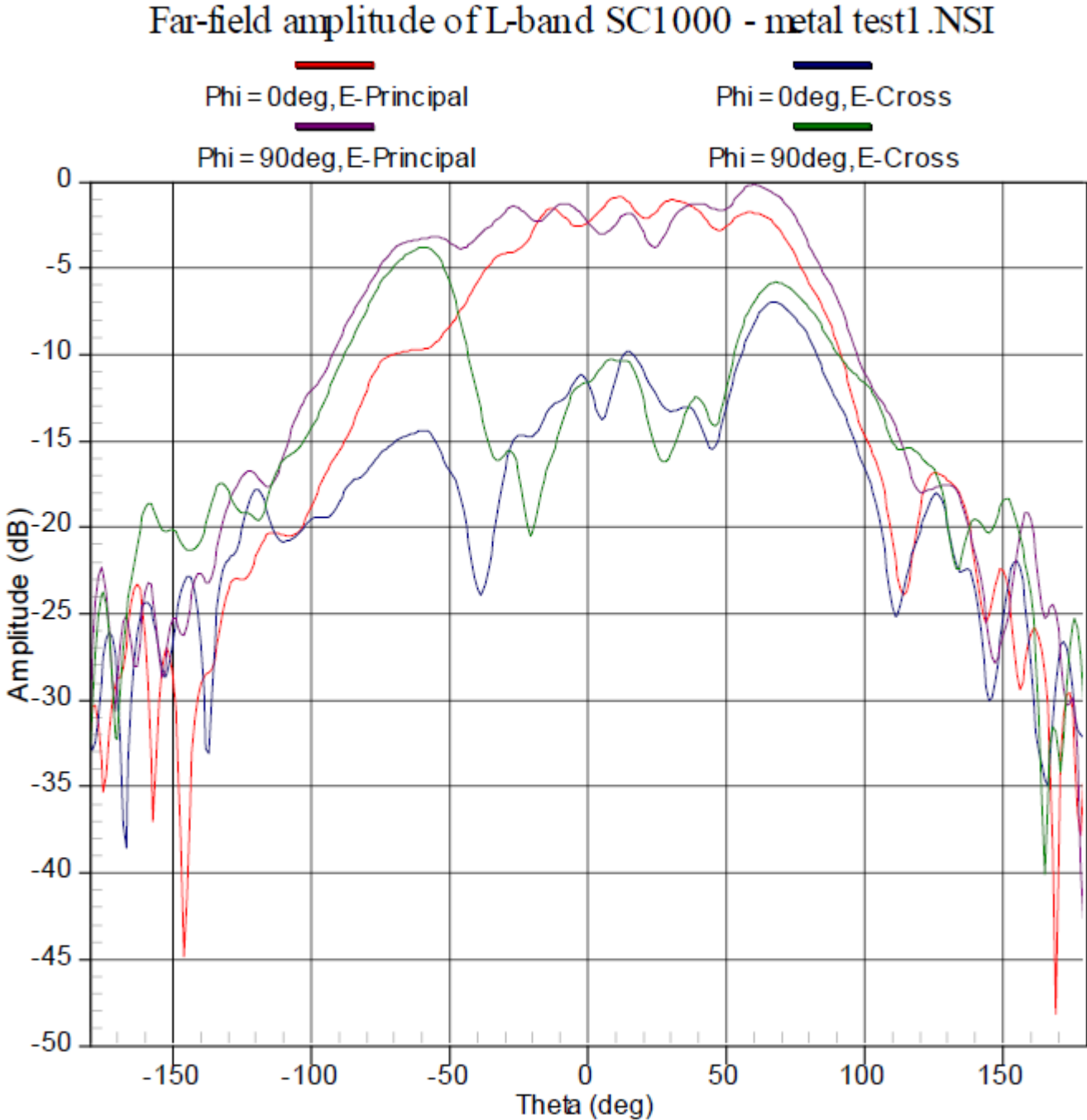
Elevation patterns for normalized gains at 1661MHz

# Antenna Radiation Patterns



Elevation patterns for normalized gains at 1668MHz

# Antenna Radiation Patterns



Elevation patterns for normalized gains at 1675MHz