

SC1000 Satellite Patch Antenna



Patch antenna on the board



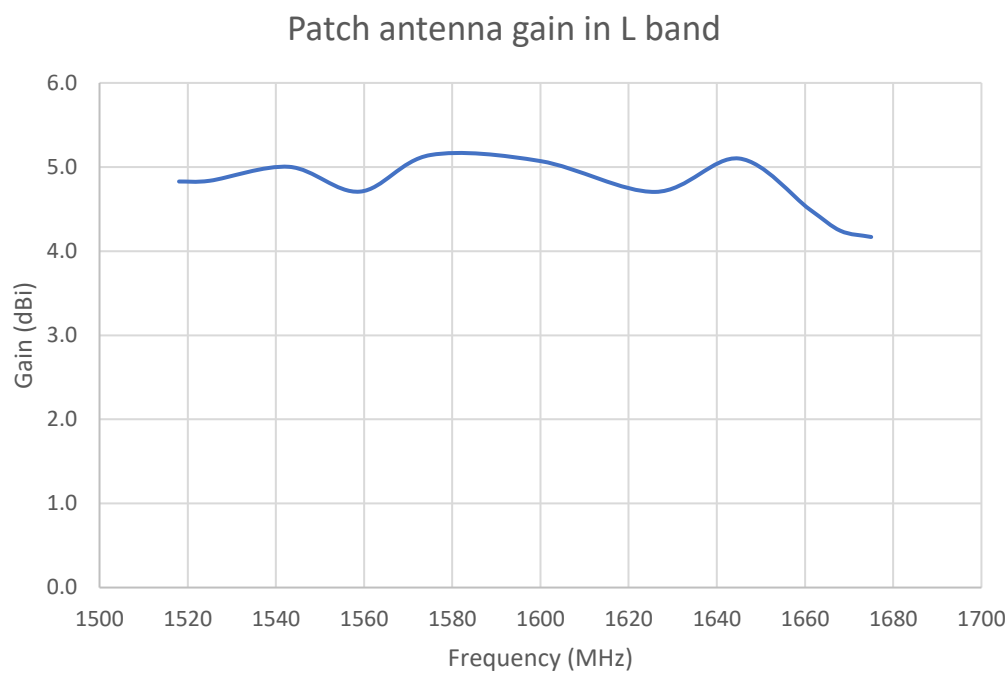
Patch antenna in the enclosure with encapsulant

- L-band satellite Patch antenna.

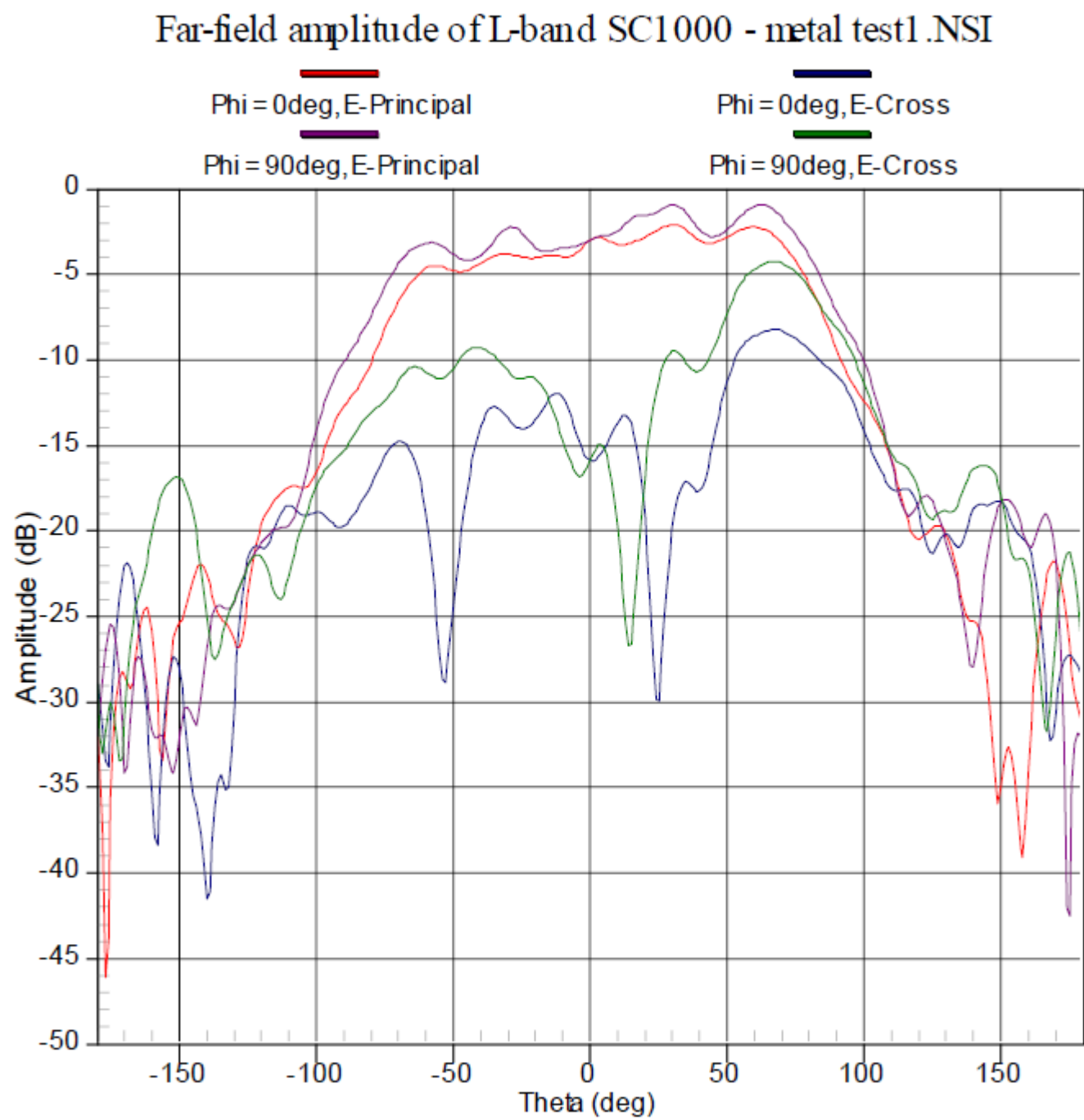
Technical data

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.)

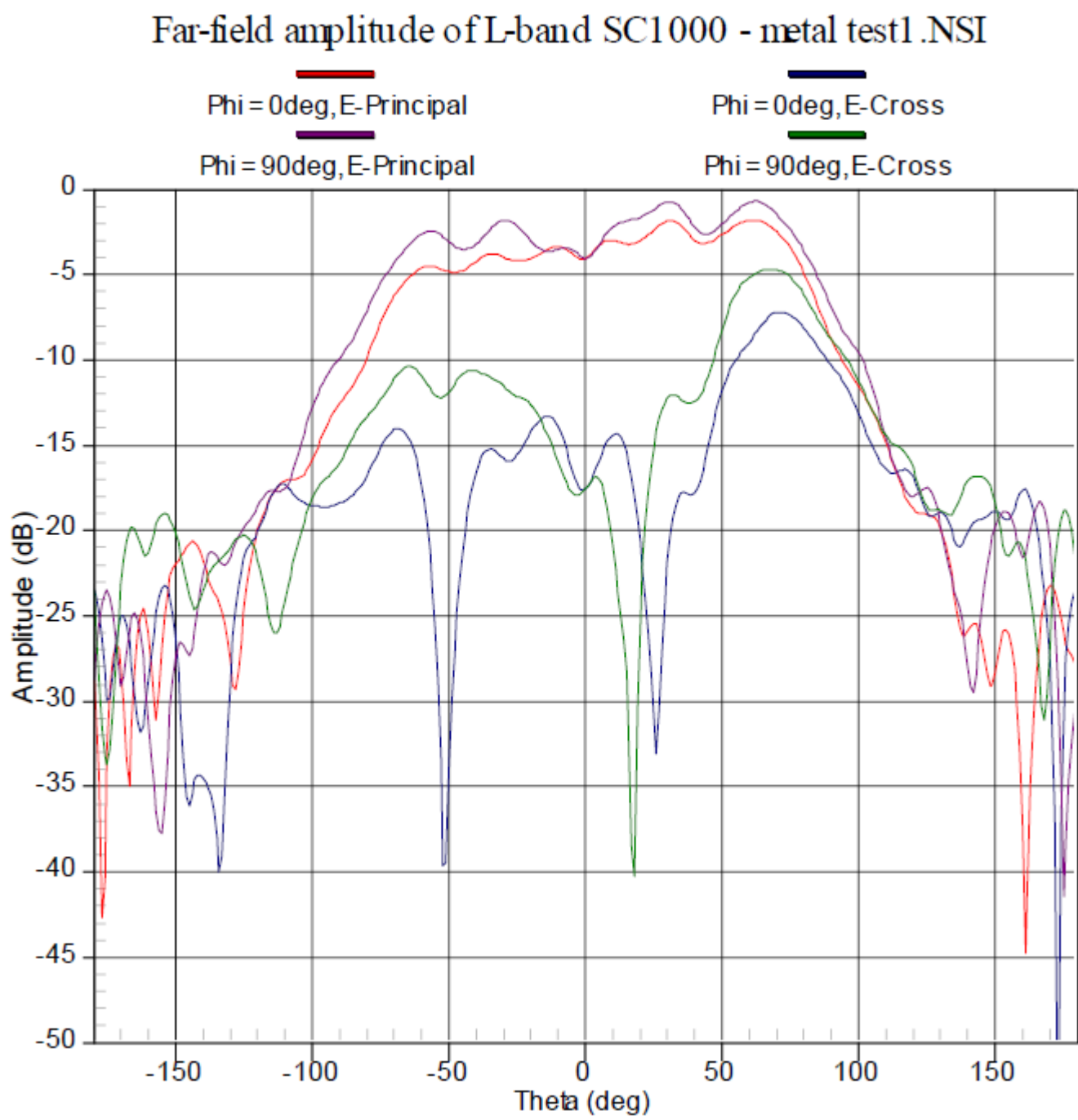


Antenna Radiation Patterns



Elevation patterns for normalized gains at 1525MHz

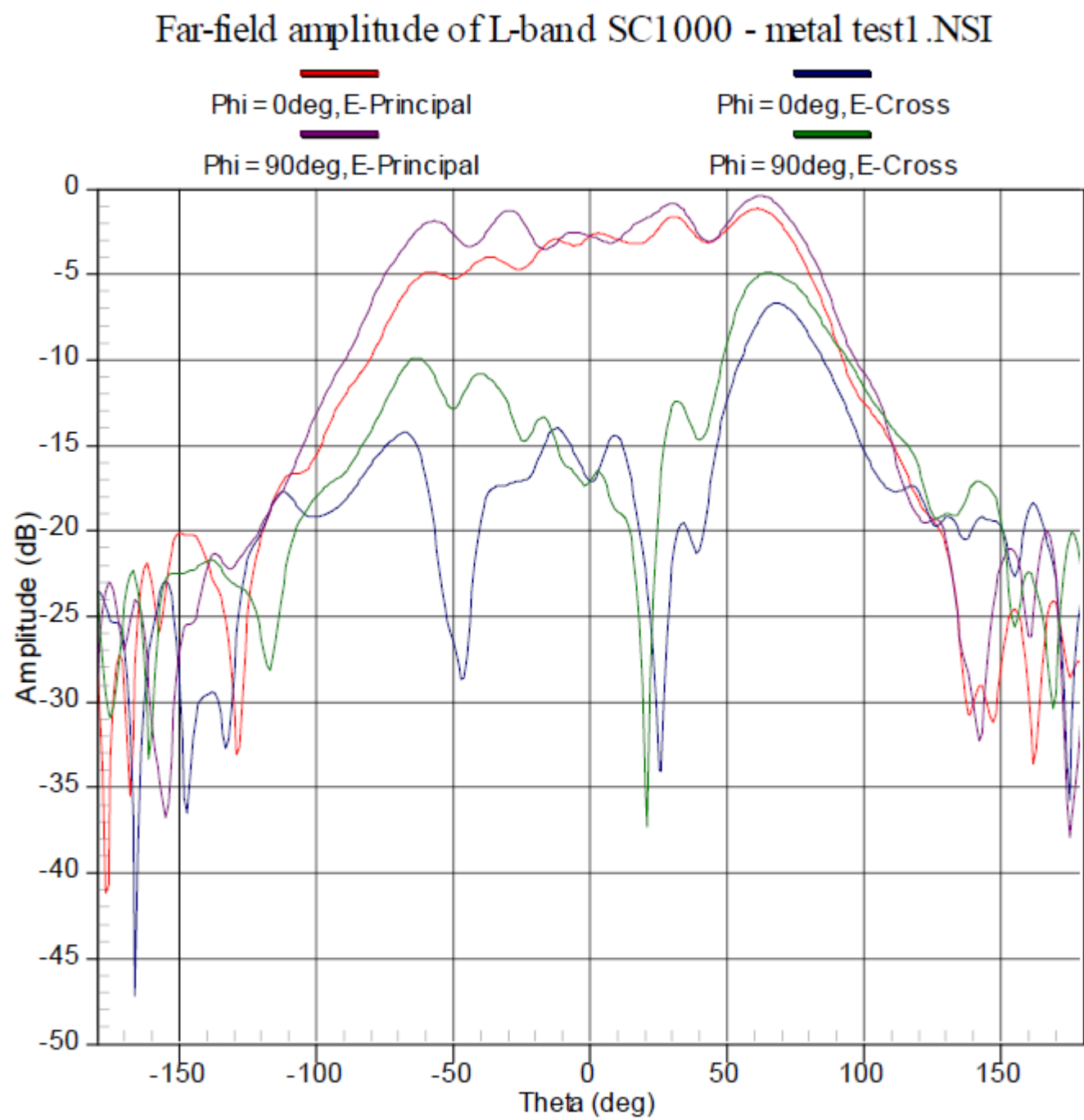
Antenna Radiation Patterns



Elevation patterns for normalized gains at 1543MHz

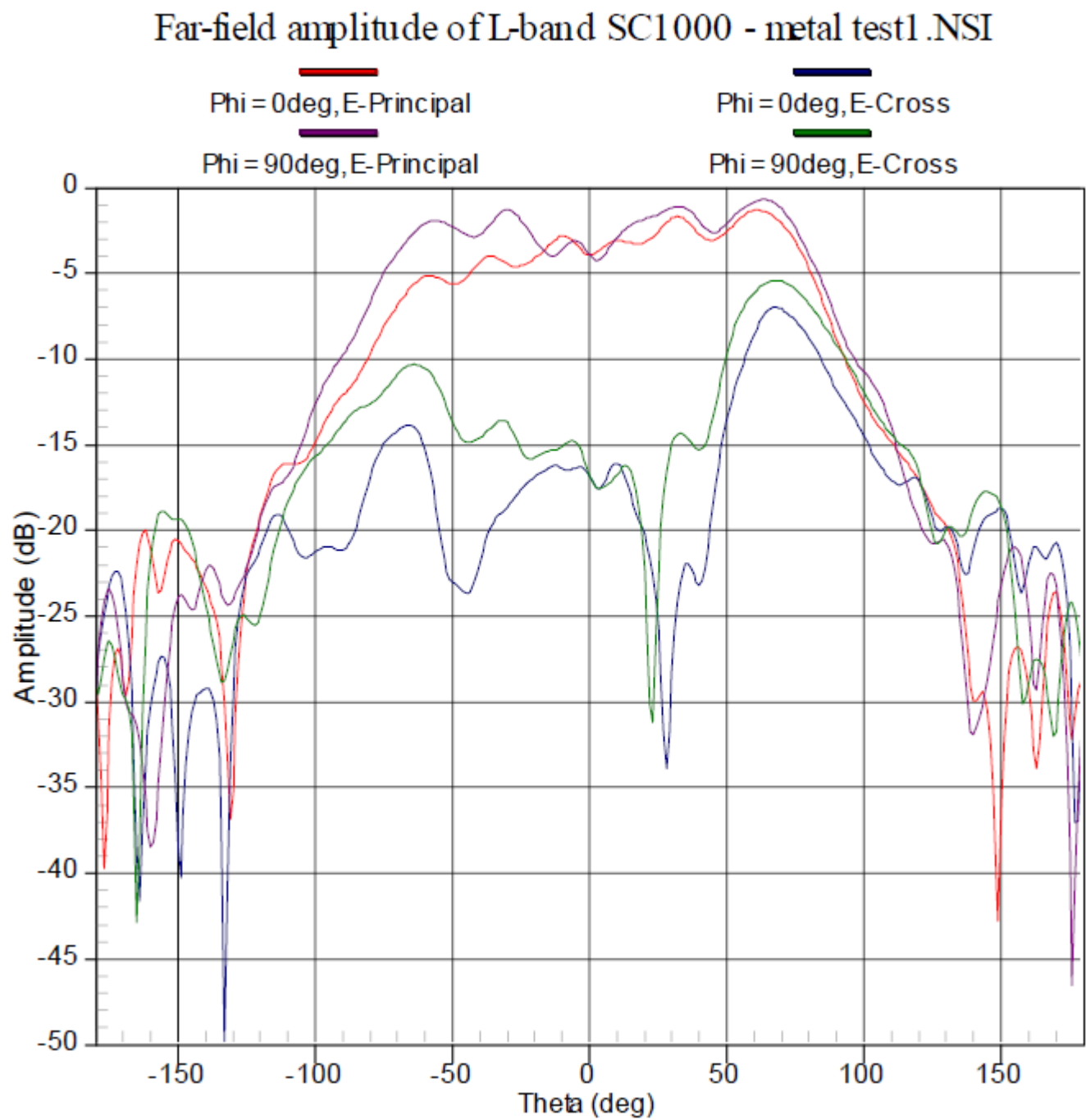
Antenna Radiation Patterns

Elevation patterns for normalized gains at 1559MHz



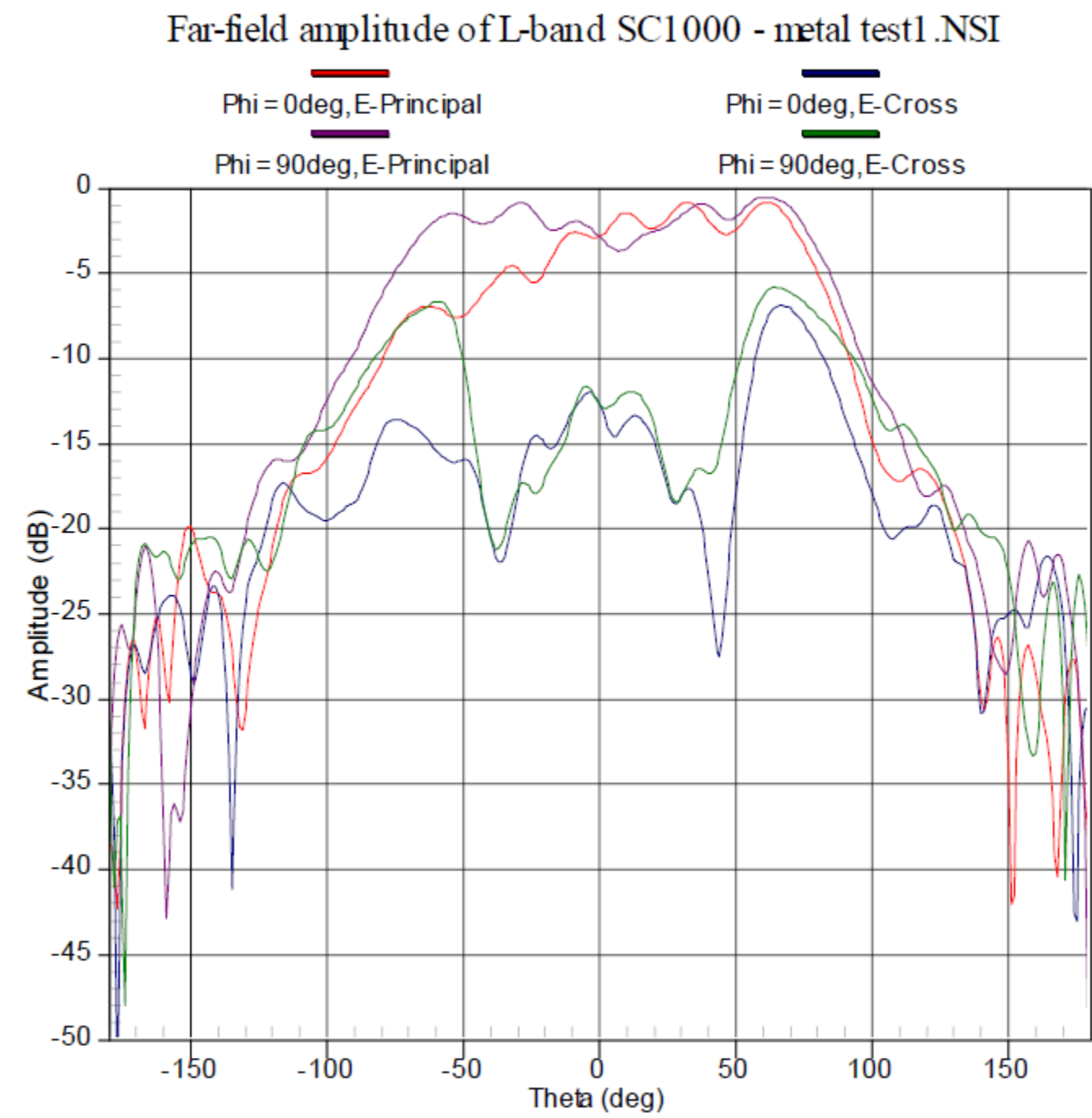
Elevation patterns for normalized gains at 1559MHz

Antenna Radiation Patterns



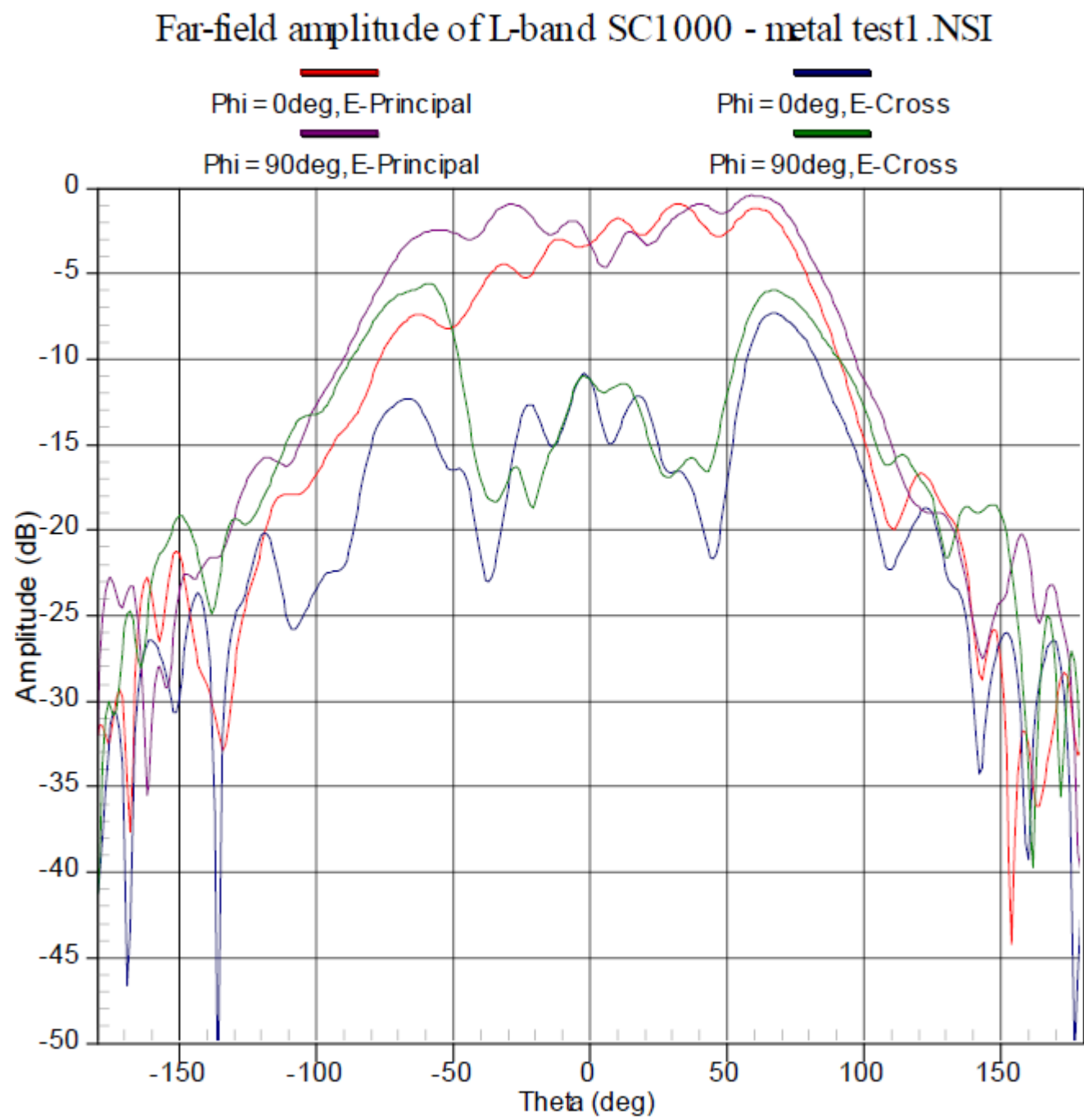
Elevation patterns for normalized gains at 1575MHz

Antenna Radiation Patterns



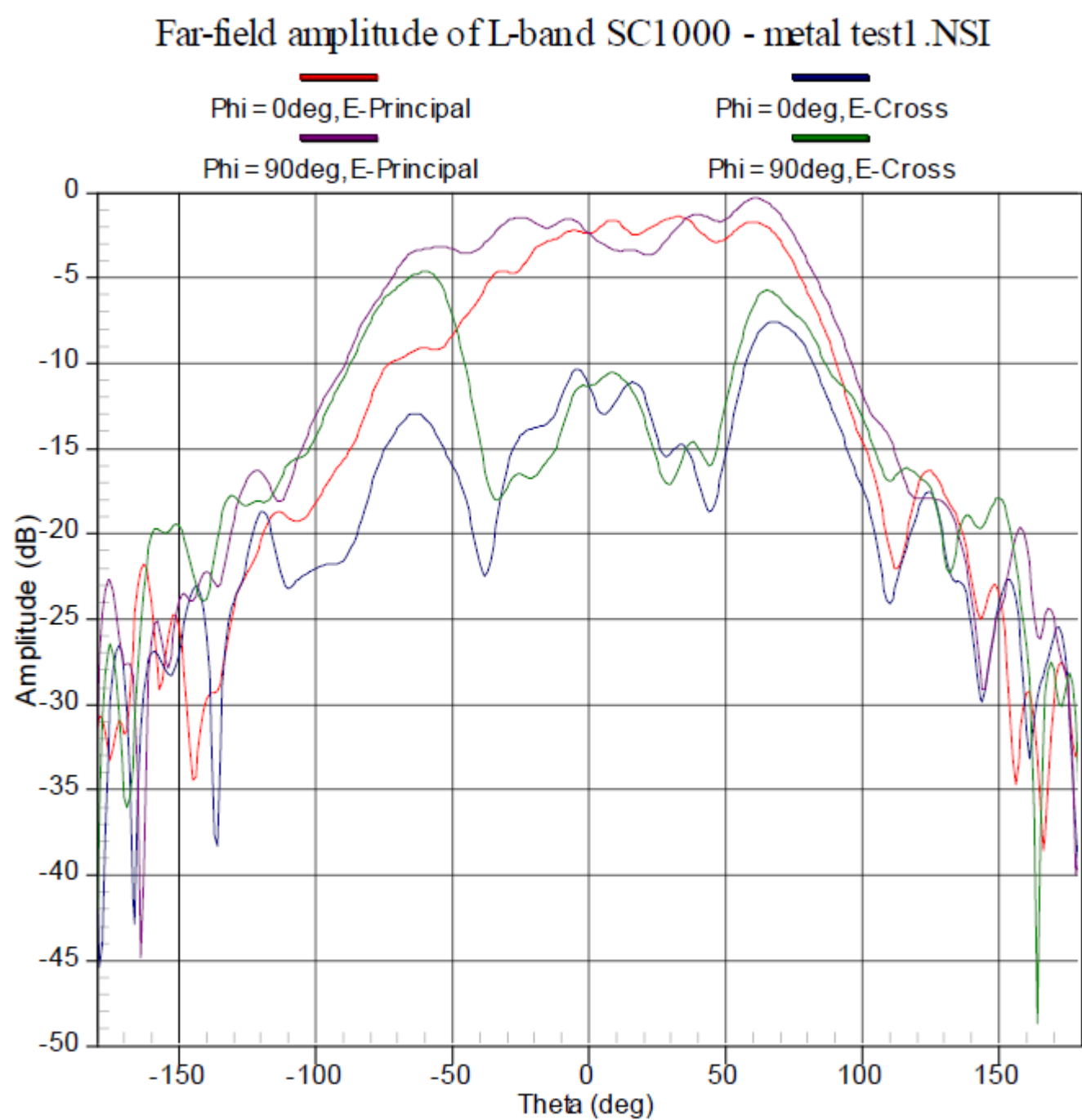
Elevation patterns for normalized gains at 1626MHz

Antenna Radiation Patterns



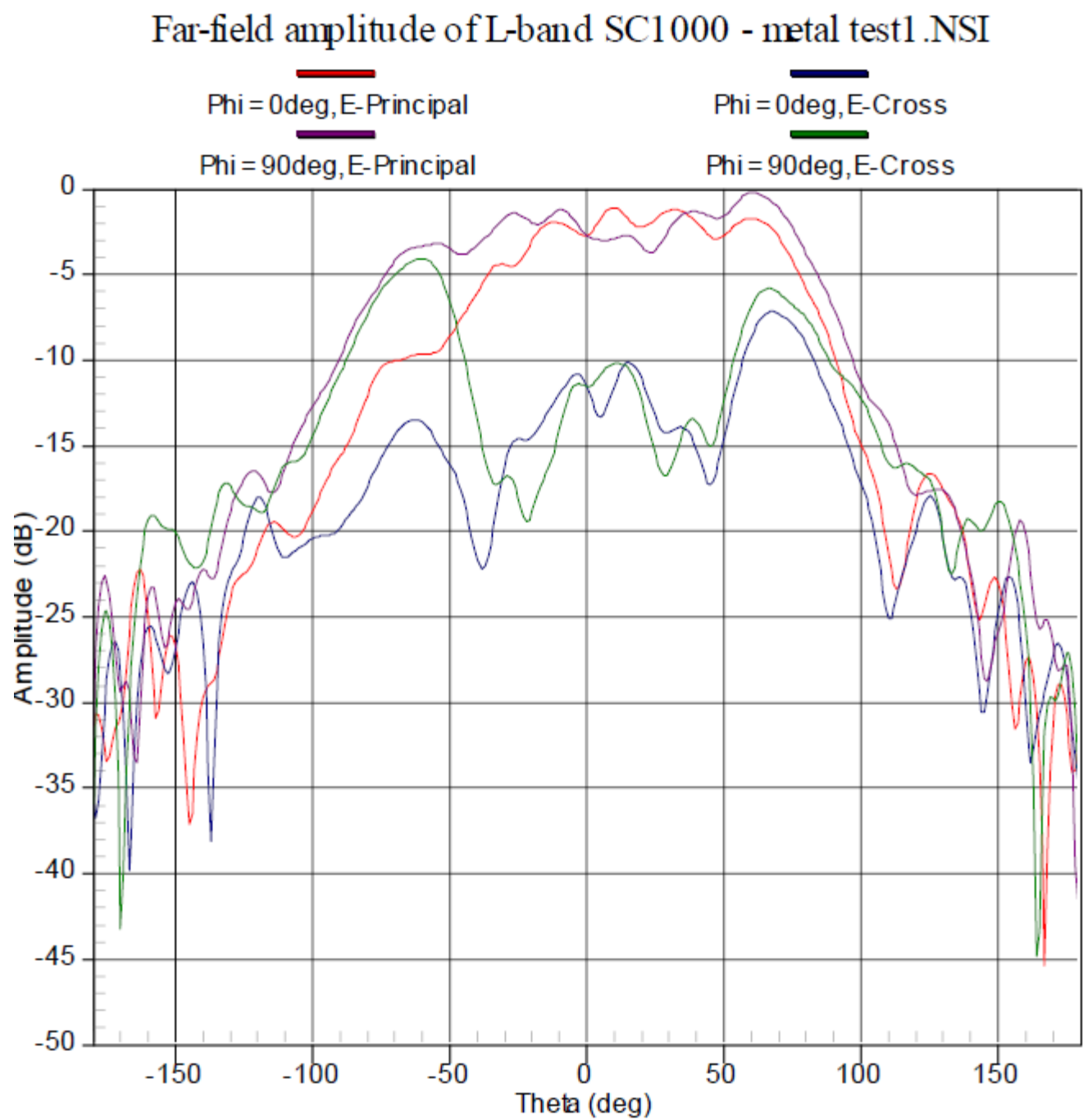
Elevation patterns for normalized gains at 1645MHz

Antenna Radiation Patterns



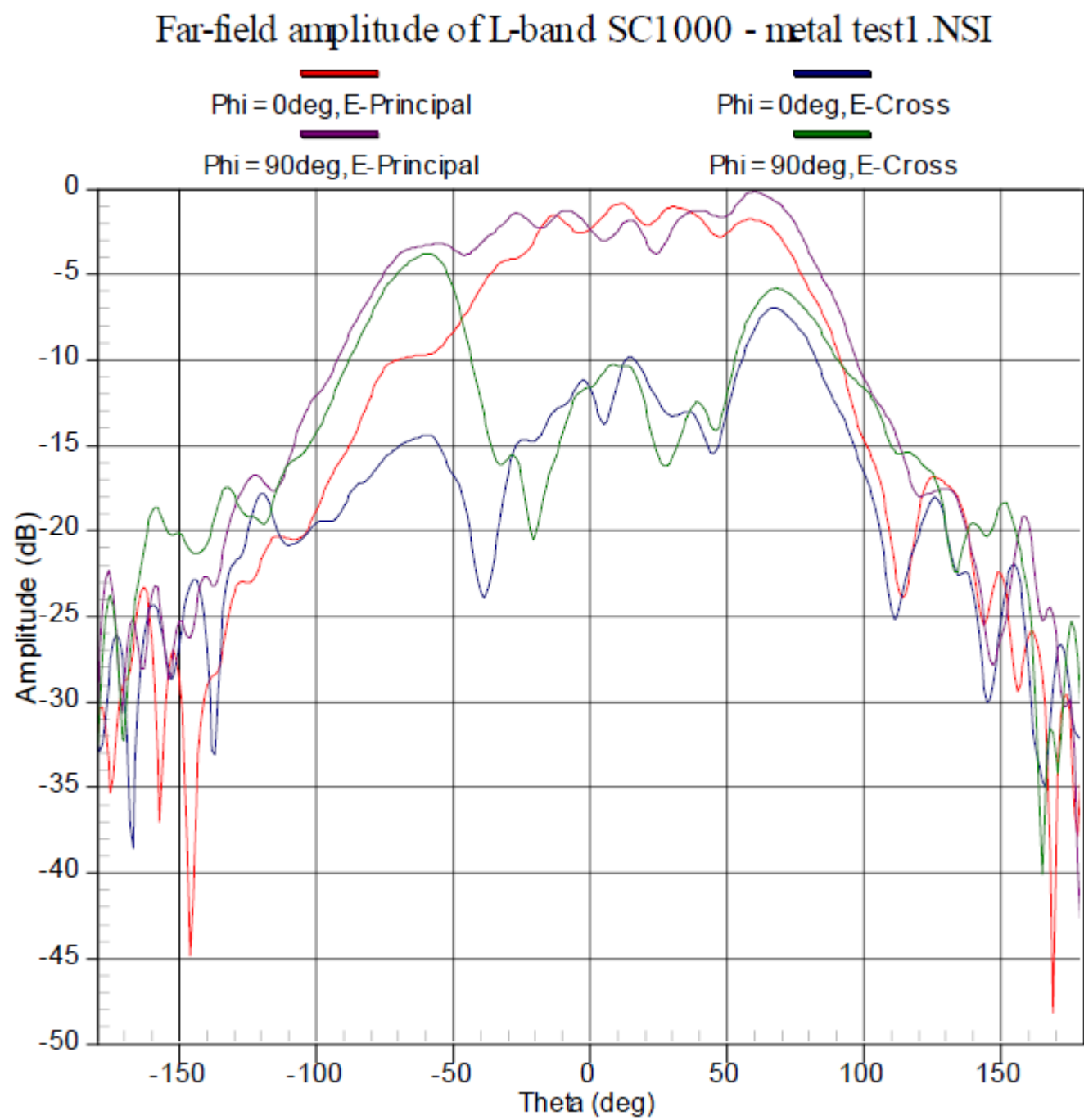
Elevation patterns for normalized gains at 1661MHz

Antenna Radiation Patterns



Elevation patterns for normalized gains at 1668MHz

Antenna Radiation Patterns



Elevation patterns for normalized gains at 1675MHz