

Far-field amplitude, Eprincipal: Linear, Tau = 90.000 deg
Gain = None Max far-field (global) = -33.41055 dB, Max far-field
(plot) = -33.41055 dB
Normalization: Peak (Plot), Network offset = 0.000 dB
Hpeak at: 0.000 deg, Vpeak at: 3.78491 deg
Plot centering: On
Directivity = 17.760 dB

Golfpijp antenne

NSI2000 V4.0.15, Filename:C:\NSI2000\Data\MEETDATA\UHF\WGpOO.nsi
Measurement date/time: 7/29/03 11:05:45 AM, Filetype: NSI-97

Far-field Cut Analysis:

-3. dB beam width: 9.55 deg
-6. dB beam width: 12.99 deg
-10. dB beam width: 15.91 deg
Left Sidelobe: -12.73 dB at -15.075 deg
Right Sidelobe: -12.90 dB at 15.435 deg

Far-field display setup

Azimuth (deg)
Span = 120.000 deg, Center = 0.000 deg, #pts = 1001
Start = -60.000 deg, Stop = 60.000 deg, Delta = 0.120 deg
Elevation (deg)
Center = 3.78491 deg, #pts = 1
Plot rotation = 0.000 deg
Interpolation: Cubic
Coordinate system: Az/El; Polarization: L2 Az/El

Far-field transform setup

FFT size: 64, 32
X/Y/Z shift = 0.000 m, 0.000 m, 0.000 m
Filter Mode: Off, Zoom: Off
Probe setup: As-acquired
Probe model: OEWG WR430: 1.70-2.60 GHz

Selected beam(s) 1 of 3

| Beam | AUT switch | equency | Y axis | X axis | Pol axis |
|-------------|------------|-----------|--------|--------|------------|
| Beam Name 3 | 0.000 | 2.460 GHz | Y axis | X axis | Single-pol |

Near-field setup:

Data - Raw near-field

Truncation: Off
Amplitude tapering: Off
Network correction: Off
Position phase correction: Off

Measured data:

X (meters)
Span = 3.000 m, Center = 0.016 m, #pts = 52
Start = -1.484 m, Stop = 1.516 m, Delta = 0.05882 m
Y (meters)
Span = 1.500 m, Center = -2.350 m, #pts = 27
Start = -3.100 m, Stop = -1.600 m, Delta = 0.05769 m
Aut Width/Height: 0.850 m, 0.100 m
H/V Max Far-field angles: 60.000 deg, 50.000 deg
Probe-to-AUT spacing: 0.550 m

Measurement type: NF Planar XY

Scan options: CV Off, CP On, Bi-dir On, V-scan
Beamset smear: 0.01084 m
Scan plane compensation: On

Probe setup as acquired:

Probe model: OEWG WR430: 1.70-2.60 GHz
Probe-1: Lin-90(Ey), Probe-2:None

RF system:

Integration time: 1.960 mSec
Scan speed: 0.254 m/sec
Drift during scan (final - initial)
Amp/Phase initial = -18.07 dB, -25.3 deg
Amp/Phase drift = 0.02 dB, 0.2 deg

Far-field amplitude of WGp00.nsi

