



PUK Dual Band Antenna

Features

- Omni directional Antenna
- Low Profile Package
- Rugged Screw Fix Mount
- Waterproof to IP67
- +2dBi Gain
- 50Ω Impedance
- 1.5metres RG174 Cable
- SMA Male Connector
- M14 Screw Fix connector
- ABS / Rubber Housing
- Operates from -40 to 70°C



Applications

- General Low Power Radio
- M2M Applications
- Telemetry

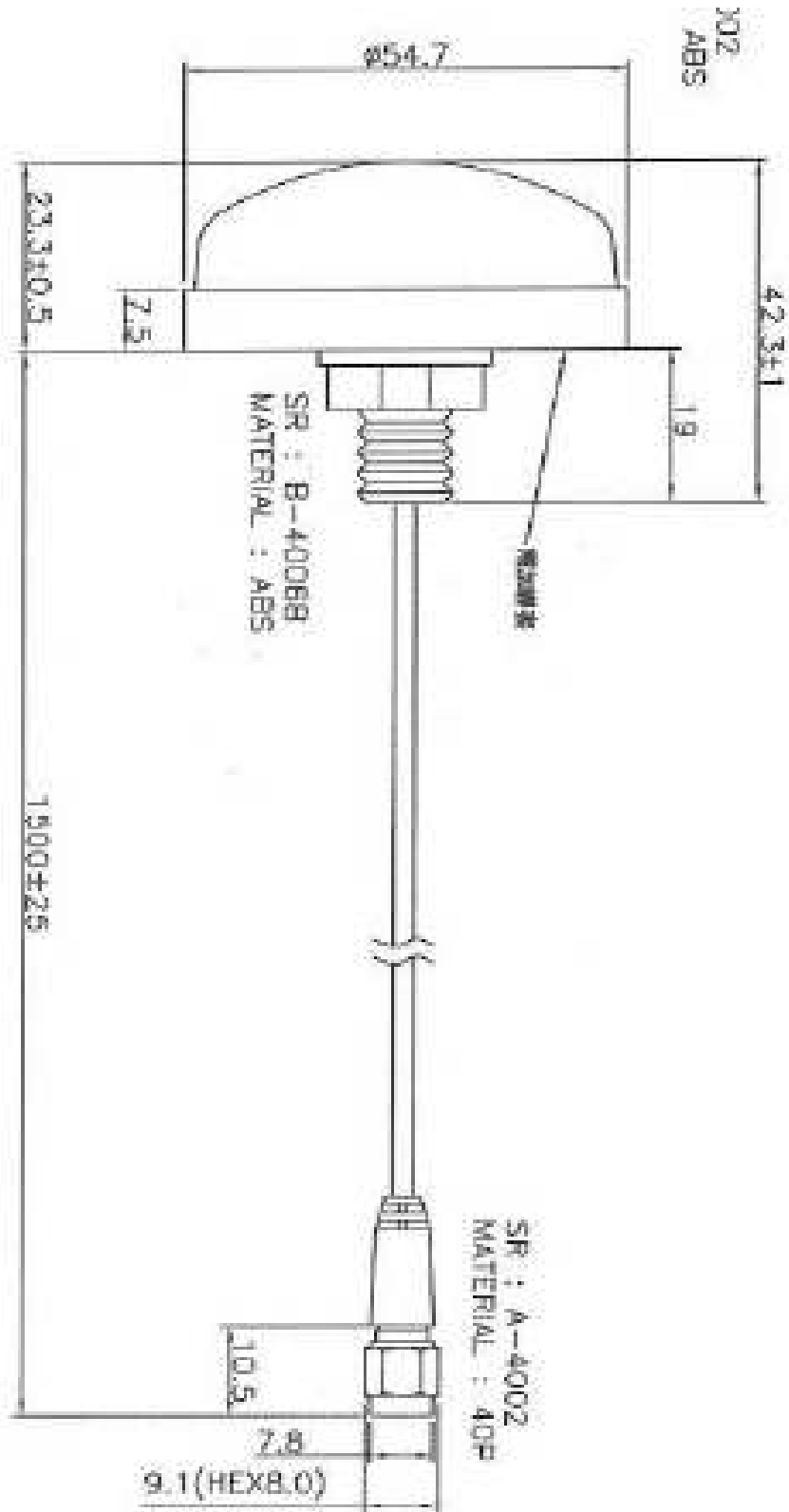
Description

A Rugged antenna for demanding applications. This antenna provides operation at both 433 and 868MHz with 2dBi gain. Housed in a rugged low profile ABS, this antenna is compact and resistant to Vandalism.

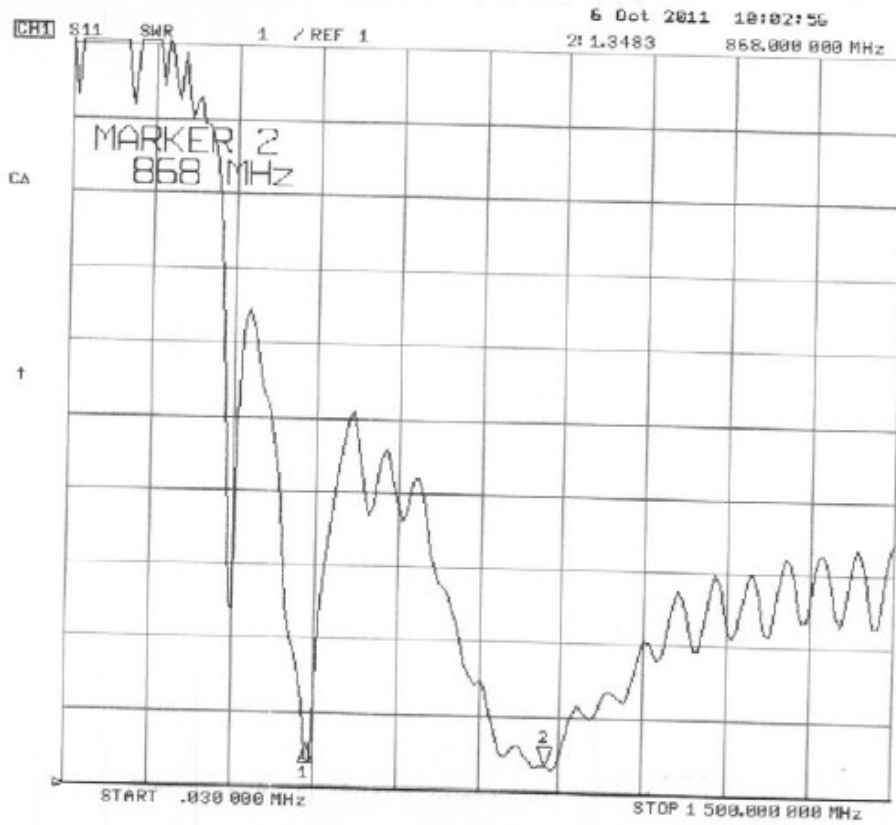
Ordering Information

PART Number	Description
ANT-PUKDB	Miniature Puck Antenna

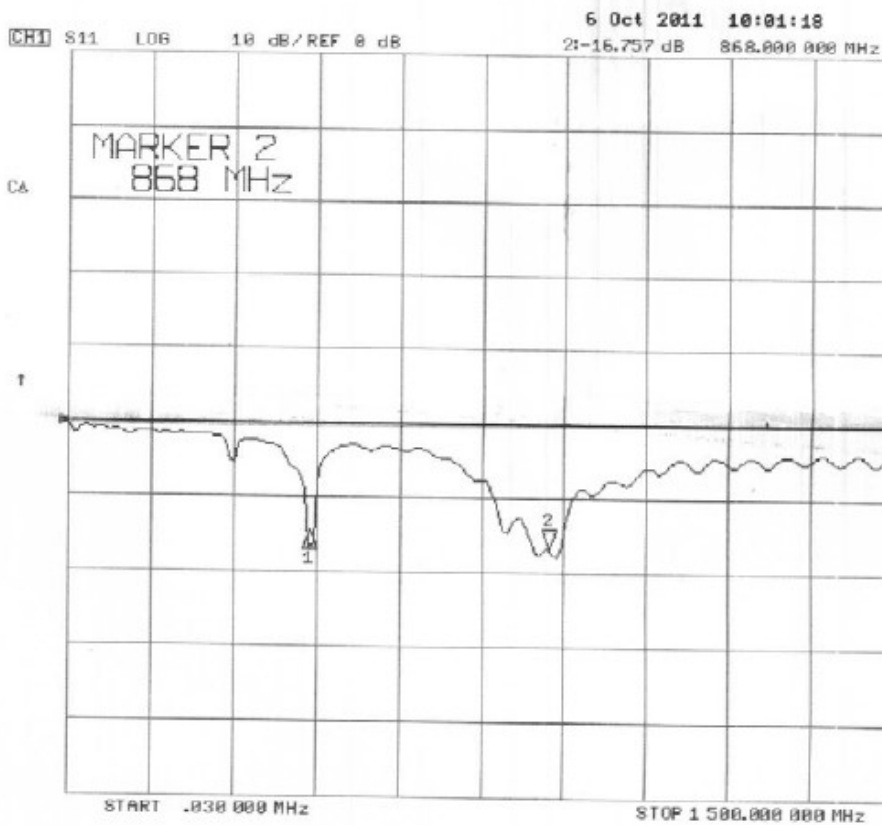
Mechanical Detail



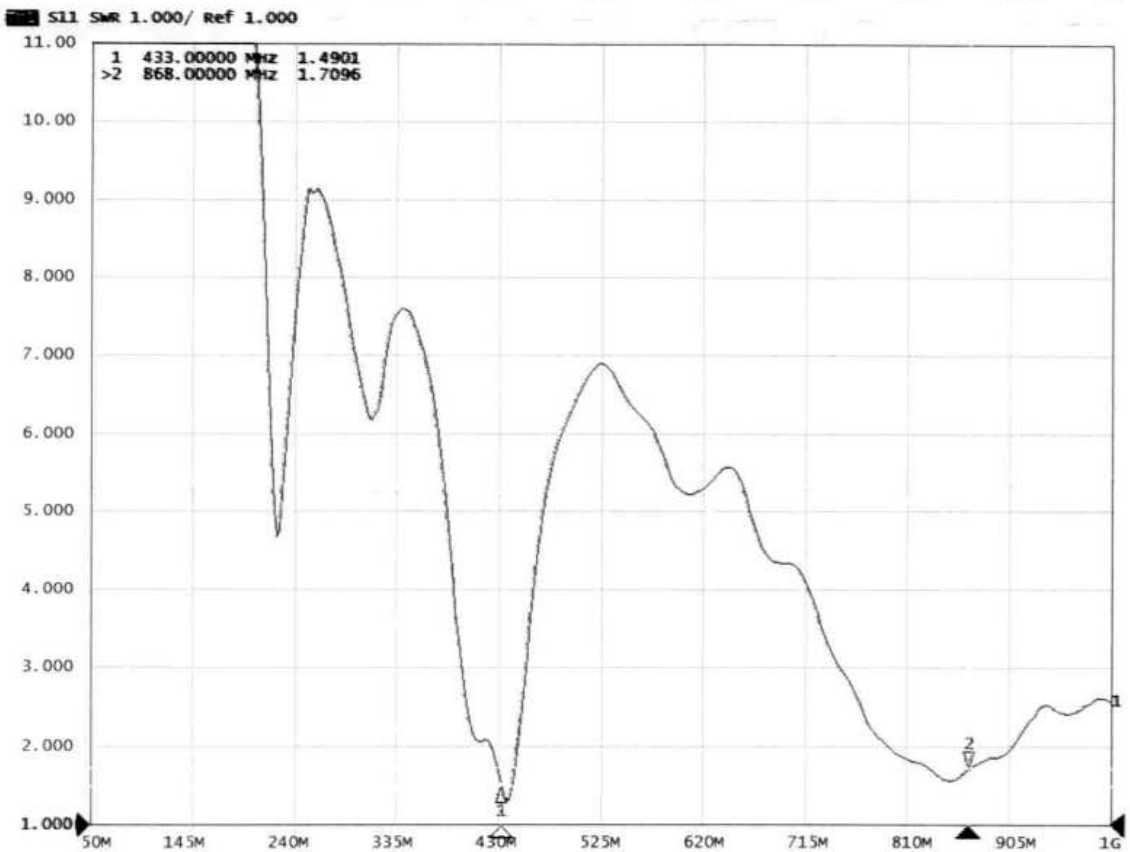
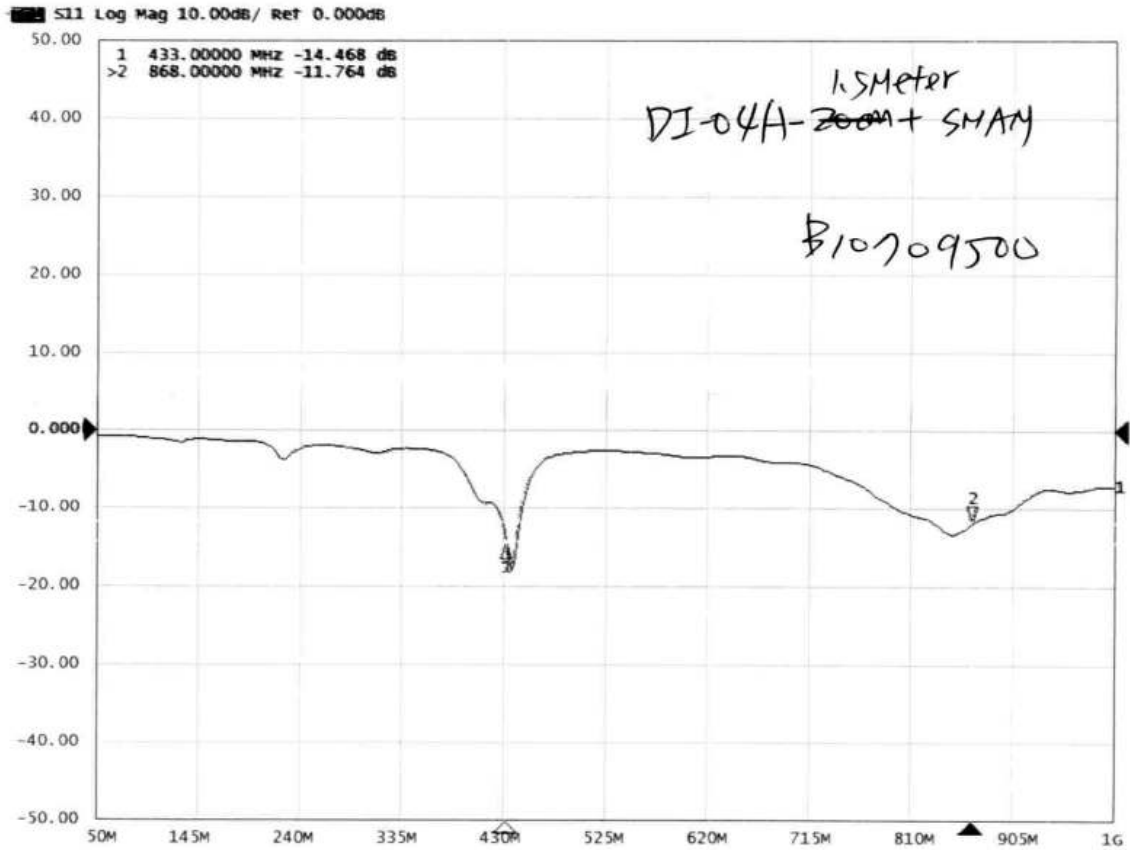
Performance Data — VSWR



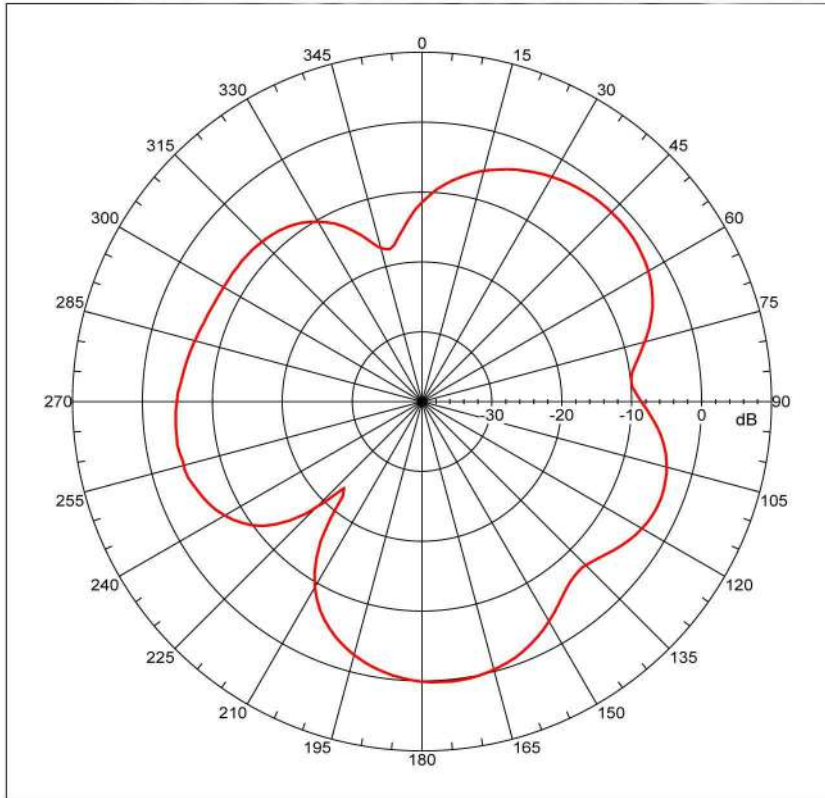
GSM-04A
for 433+868MHz
dual band
1.5metres RG174
+ SMA(M)



Performance Data — VSWR



Radiation Pattern 868MHz E01



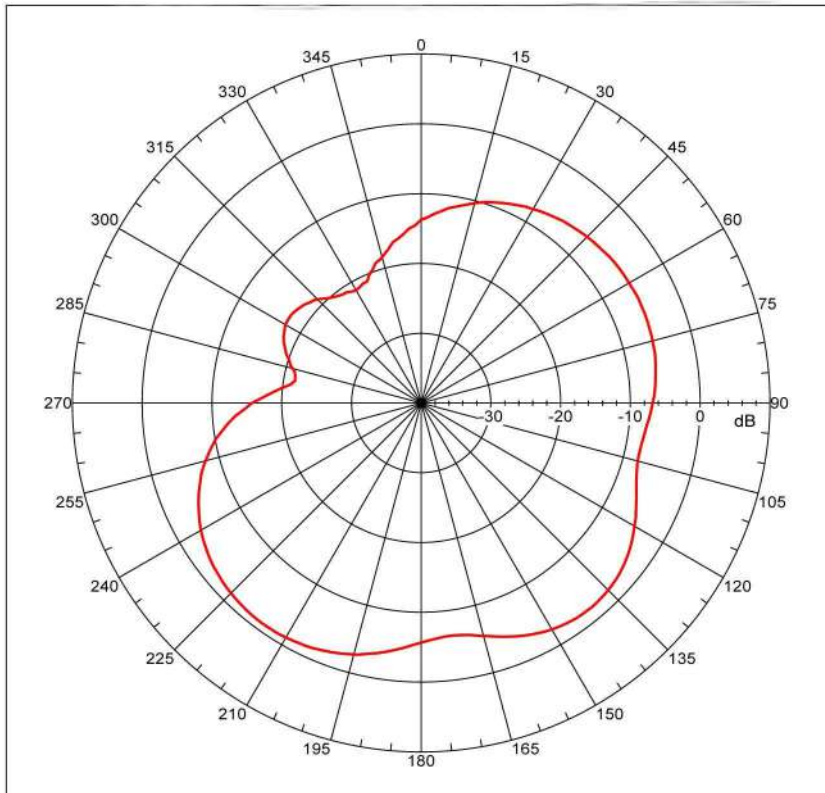
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Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
Gain = 0.26754 dBi
Max far-field (global) = -40.51956 dB, Max far-field (plot) =
-40.31961 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 174.000 deg, Vpeak at: 0.000 deg
Plot centering: On

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
Measurement date/time: 5/27/2014 11:21:26 AM, Filetype: NSI-97
Far-field Cut Analysis:
Avg value: -5.441 dB
-3. dB beam width: Not Found
-6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: -3.37 dB at 113.631 deg
Right Sidelobe: Not Found
Far-field display setup
Azimuth (deg)
Span = 360.00001 deg, Center = 0.000 deg, #pts = 181
Start = -180.00001 deg, Stop = 180.00001 deg, Delta = 2.000
deg
Elevation (deg)
Center = 0.000 deg, #pts = 1

Selected beam(s) 1 of 1
Beam Frequency Azimuth Elevation Pol
---
1 0.868 GHz Azimuth Elevation Single-pol
    
```

Radiation Pattern 868MHz H01



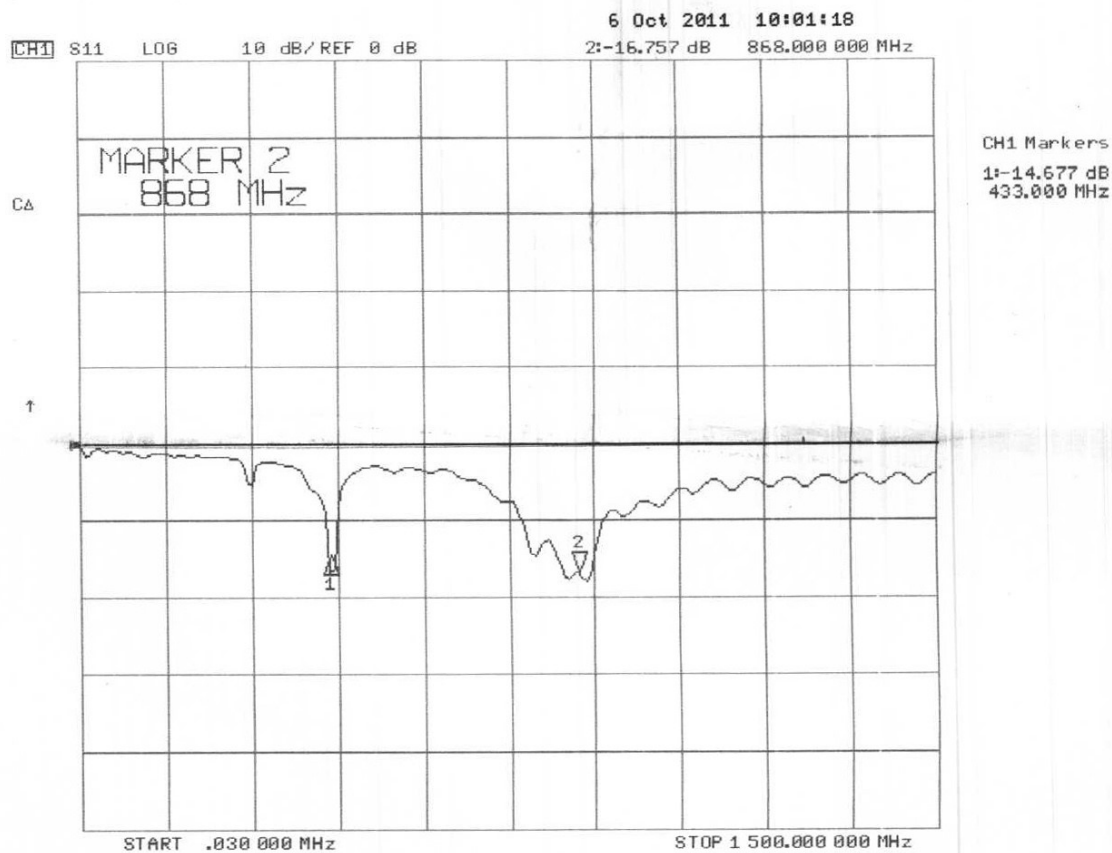
```

Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
Gain = -1.07087 dBi
Max far-field (global) = -41.85797 dB, Max far-field (plot) =
-41.858 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -144.000 deg, Vpeak at: 0.000 deg
Plot centering: On

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
Measurement date/time: 5/27/2014 11:23:10 AM, Filetype: NSI-97
Far-field Cut Analysis:
Avg value: -7.032 dB
-3. dB beam width: 54.86 deg
-6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: Not Found
Right Sidelobe: -16.43 dB at -57.318 deg
Far-field display setup
Azimuth (deg)
Span = 360.00001 deg, Center = 0.000 deg, #pts = 181
Start = -180.00001 deg, Stop = 180.00001 deg, Delta = 2.000
deg
Elevation (deg)
Center = 0.000 deg, #pts = 1

Selected beam(s) 1 of 1
Beam Frequency Azimuth Elevation Pol
---
1 0.868 GHz Azimuth Elevation Single-pol
    
```

Performance Data — RETURN LOSS



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Specifies certain limits for hazardous substances.

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