

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

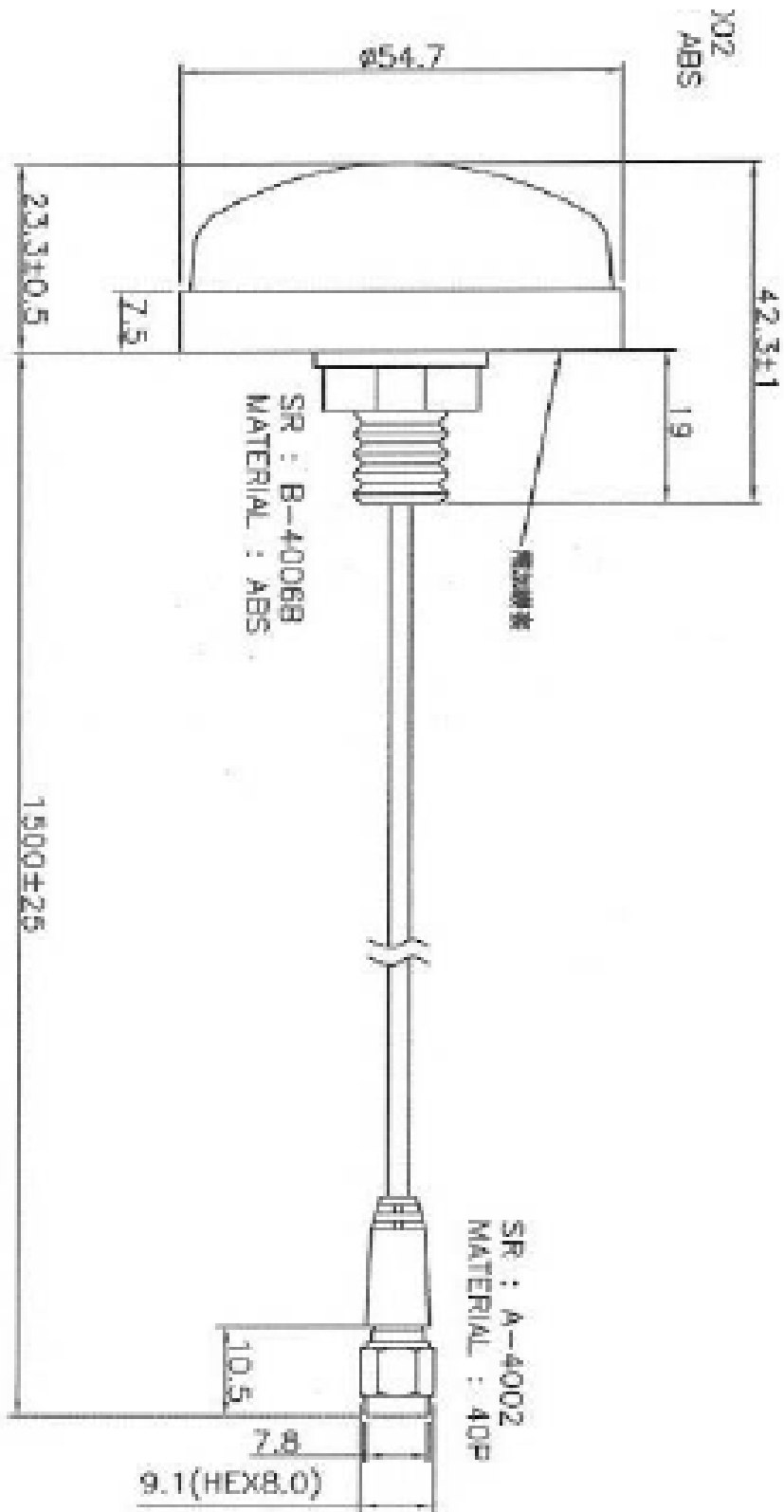
Description

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.

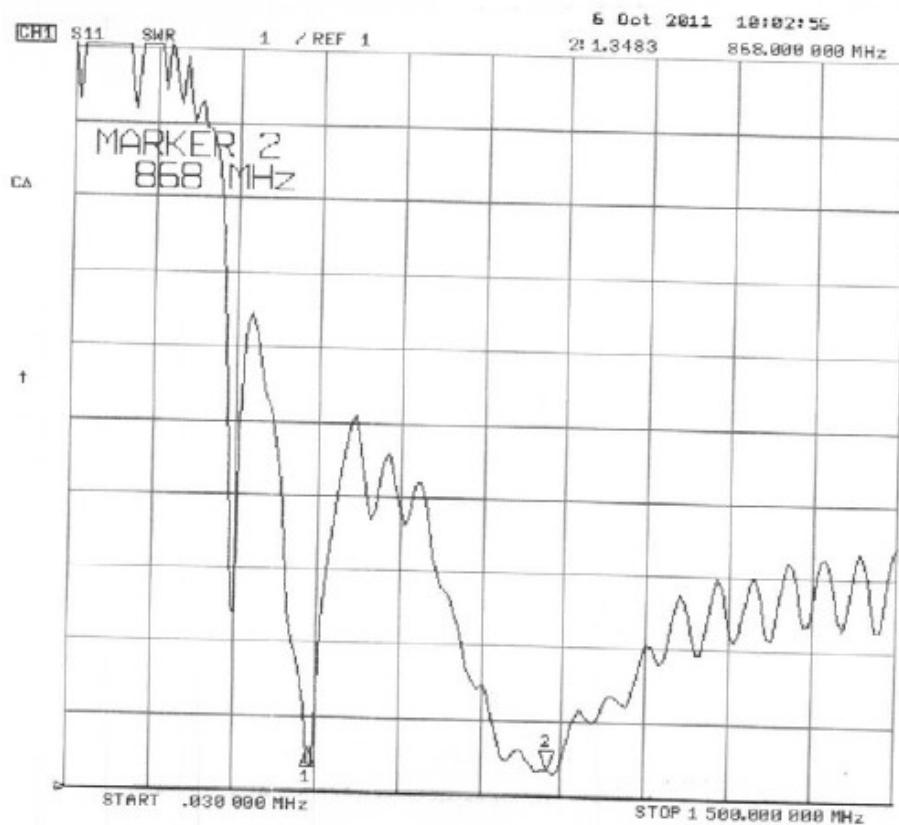
Ordering Information

PART No	Description
ANT-PUKDB	Miniature Puck Antenna

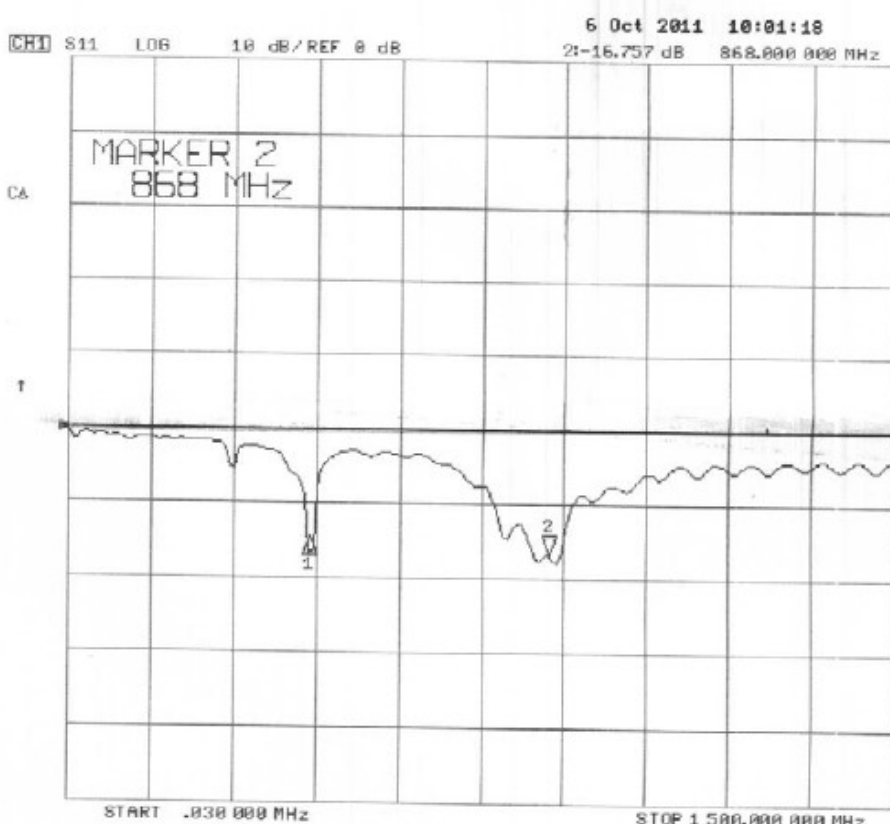
Mechanical Detail



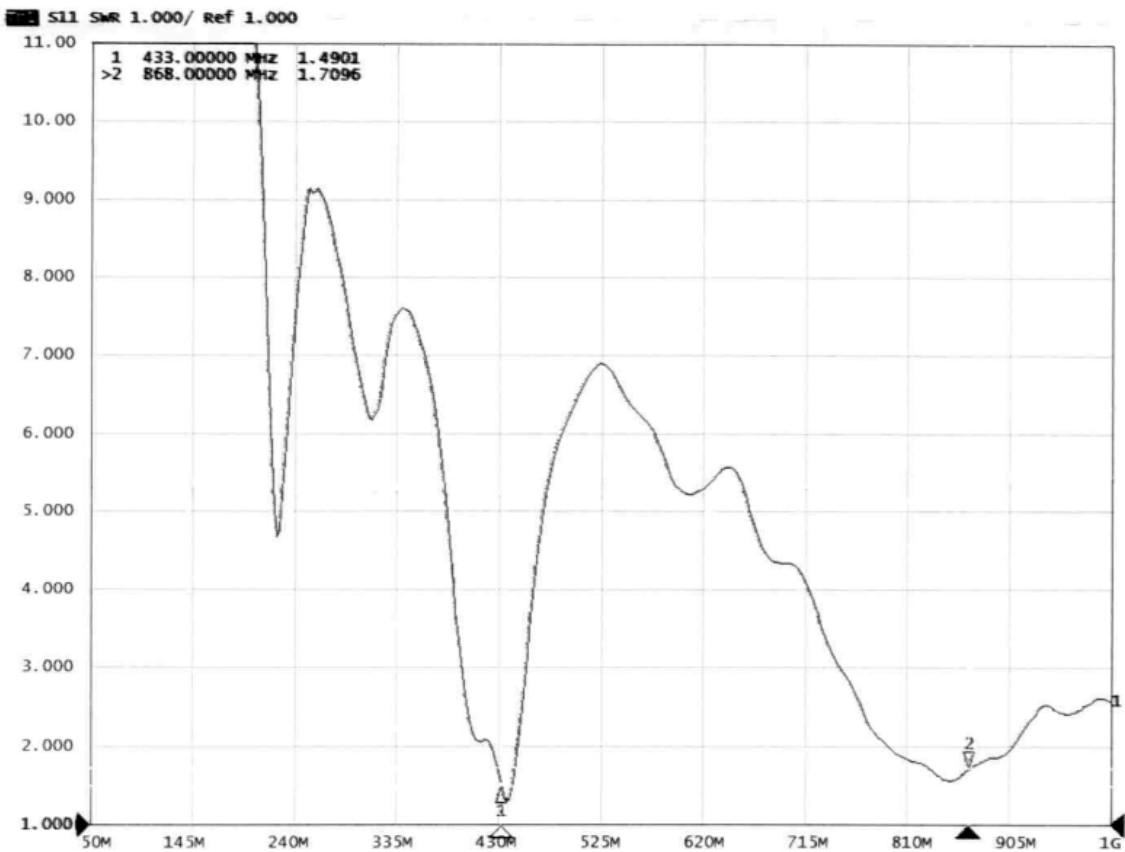
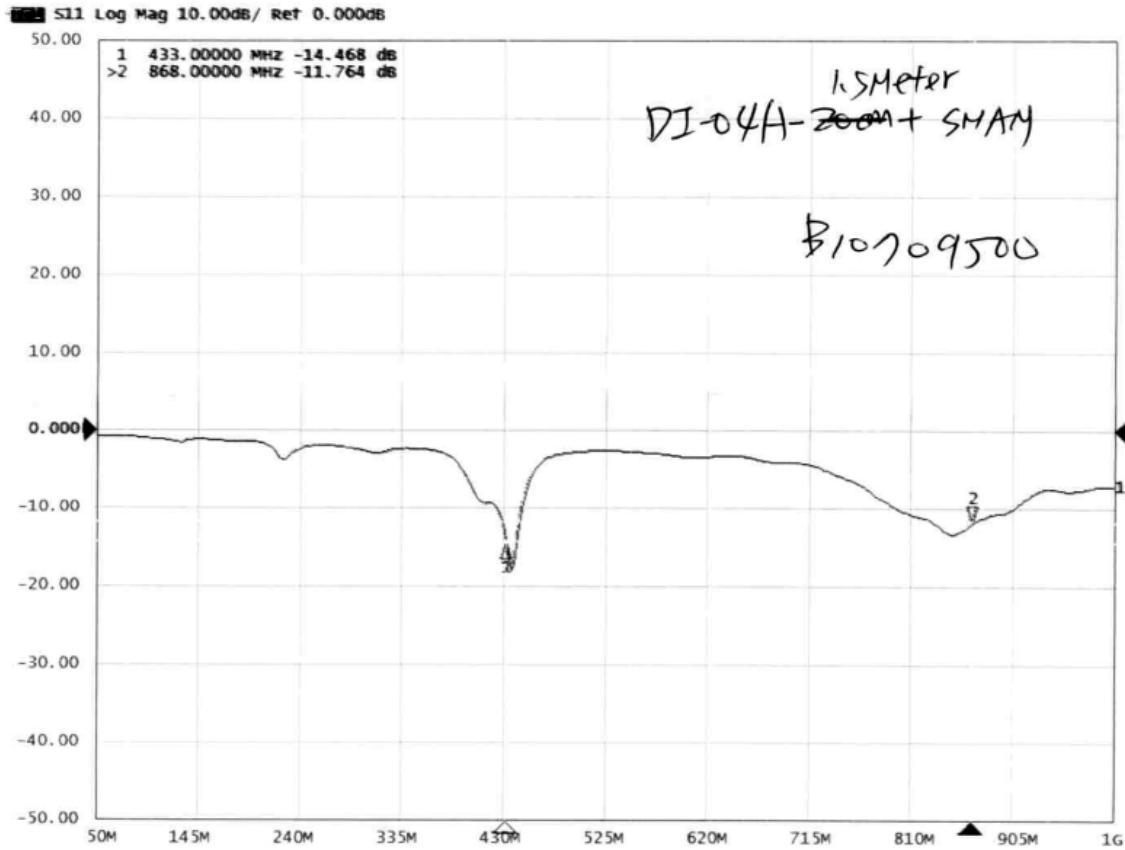
Performance Data – VSWR



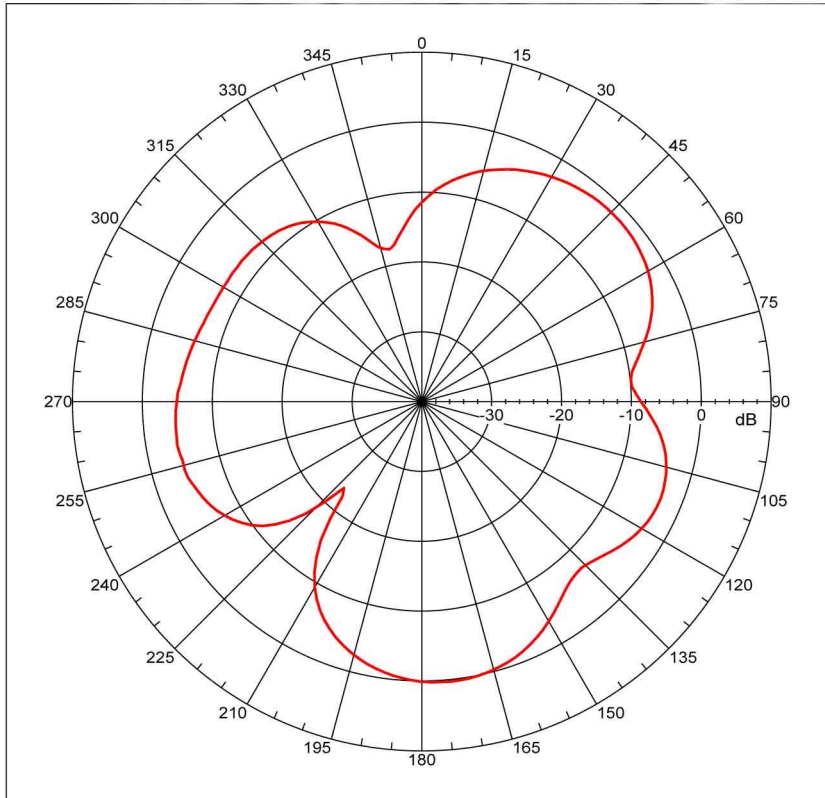
GSM-04A
for 433+868MHz
dual band
1.5metres RG174
+ SMA(M)



Performance Data – VSWR



Radiation Pattern 868MHz E01



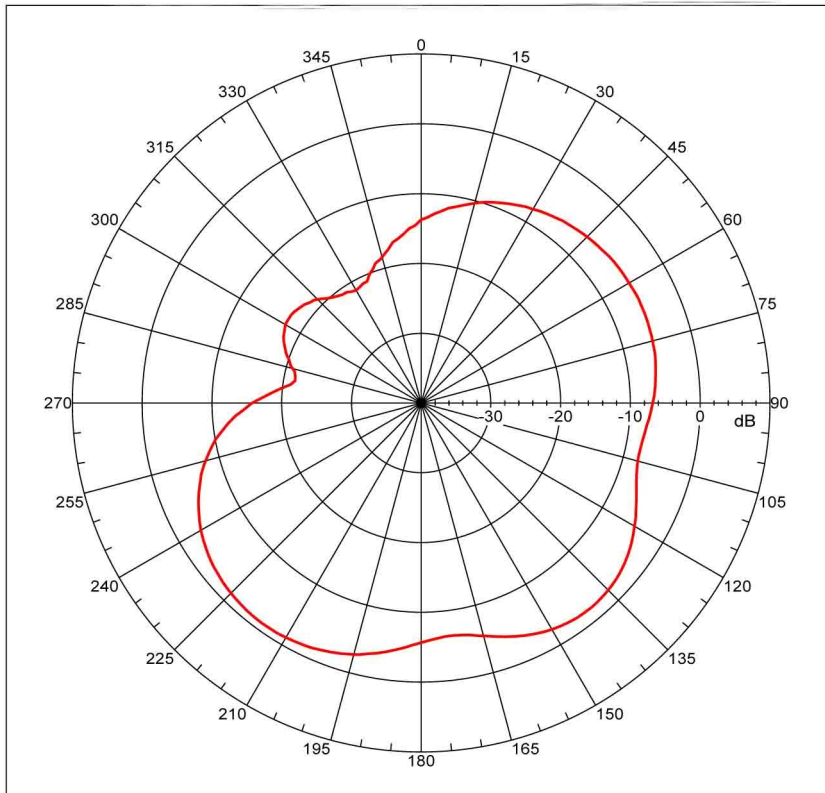
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 0.26754 dBi
 Max far-field (global) = -40.51956 dB, Max far-field (plot) = -40.51961 dB
 Normalization: Reference, Network offset = 0.000 dB
 Hpeak at: 174.000 deg, Vpeak at: 0.000 deg
 Plot centering: On

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