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GSM Rugged 'Puck' Antenna IP67

- GSM 3G Quad Band Antenna
- Low Profile Package
- World-Wide Use
 - 850 960MHz
 - 1770 2100MHz
- +3dBi Gain
- Rugged IP67 Waterproof
- VSWR < 2.0
- 3metres RG174 Cable
- SMA Male Connector
- Operates from -40 to +70°C
- M12 Screw thread Connector



Applications

- Automotive Applications
- Covert Applications
- Machine to Machine
- Secure Rugged Applications

Description

A Rugged antenna with high performance for worldwide use. This antenna provides 3G GSM Antenna with 2dBi gain. Housed in a rugged low profile UV resistant IP67 housing, this antenna is compact and resistant to Vandalism.

	Description	Cable Length	Connector
ANT-GSMPUKS-IP67	GSM QuadBand Puck Antenna	3metres	SMA (M)



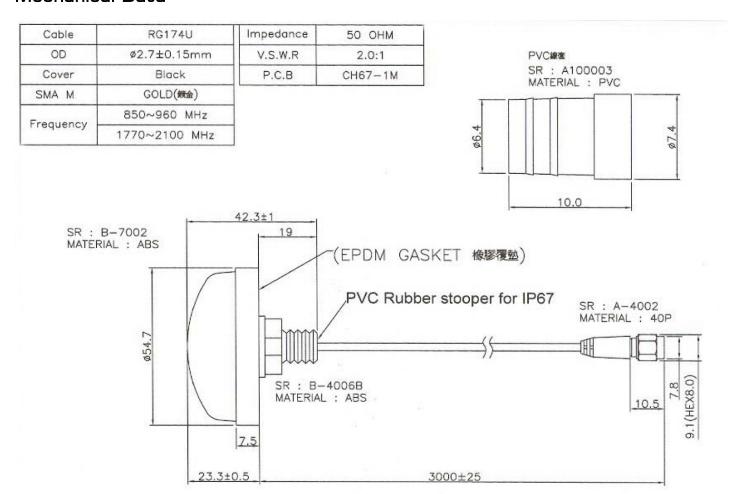




Underside View

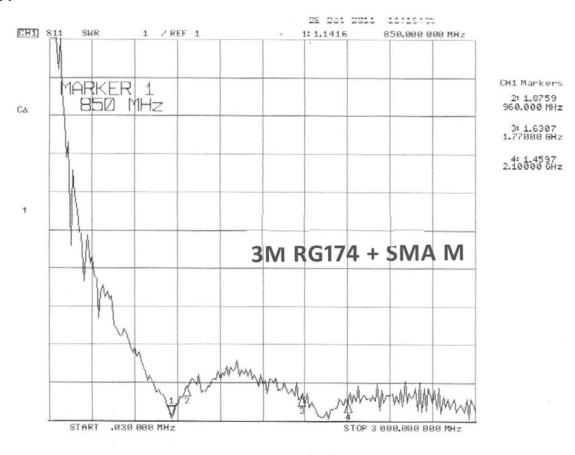


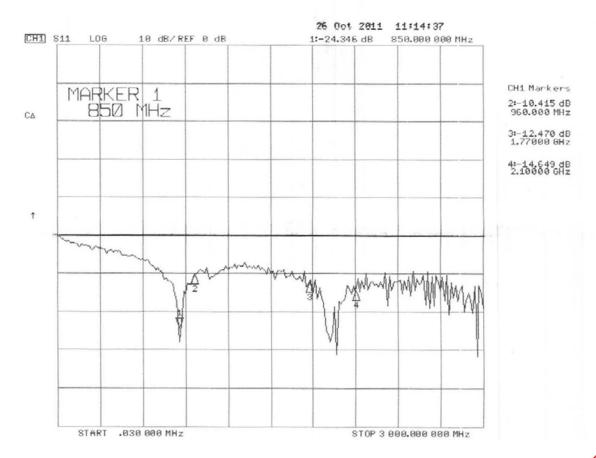
Mechanical Data





Test VSWR

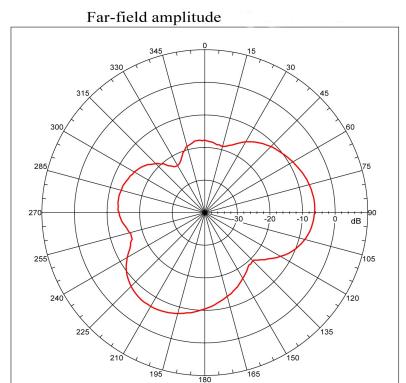




DS GSMPUKS-4

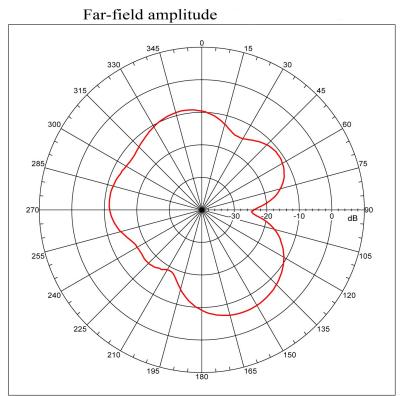


Measured Performance at 824MHz Vertical Plane



```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -6.20455 din Max far-field (global) = -49.20389 dB, Max far-field (plot) = -49.20389 dB, Max far-field dB, Max far-f
```

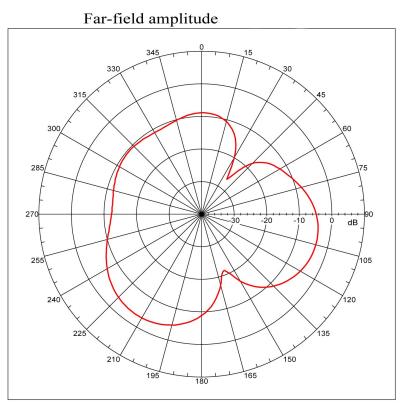
Measured Performance at 850MHz Vertical Plane



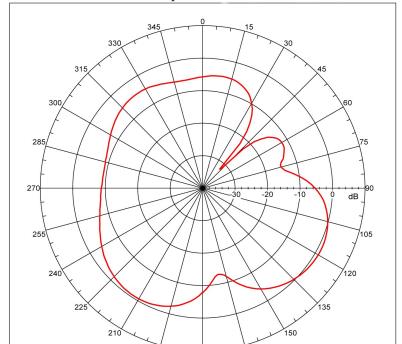
```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -6.0091 dB1
Max far-field (global) = -47.26596 dB, Max far-field (plot) = -47.26596 dB, Max far-field (plot) = -47.26603 dB
Max far-field (global) = -47.26596 dB, Max far-field (plot) = -47.26603 dB
Normalization: Reference, Network offset = 0.000 dB
Normalization: Normalization offset = 0.000 dB
Normalization: Normalization offset = 0.000 dB
Normalization offset
```



Measured Performance at 900MHz Vertical Plane



Measured Performance at 960MHz Vertical Plane



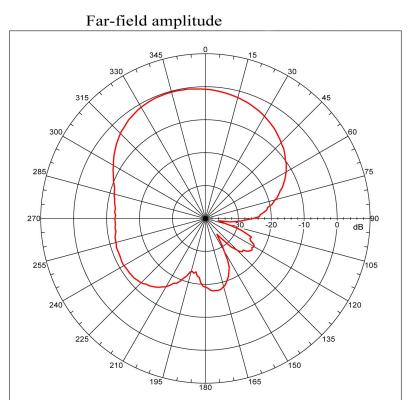
Far-field amplitude

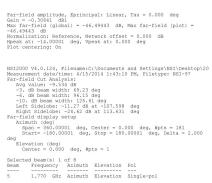
```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 1.10721 dB.

Max Far-field (global) = -41.5223 dB, Max far-field (plot) = -41.5223 dB. Max far-field (plot) = -41.522 dB. Max far-field (plot) = -41.5223 dB. Max far-field (plo
```

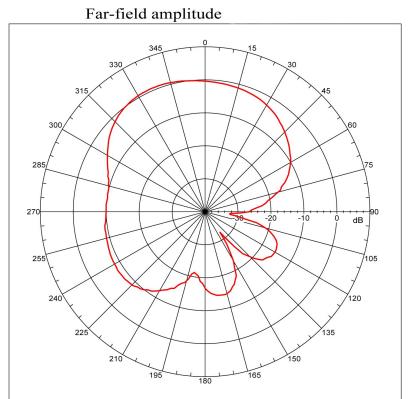


Measured Performance at 1.770GHz Vertical Plane



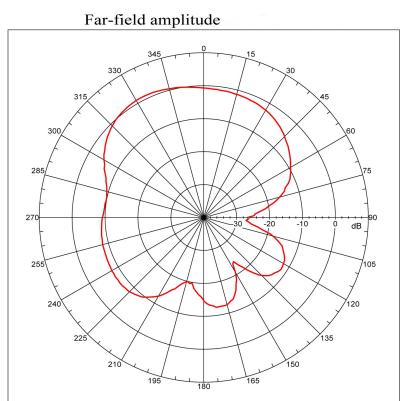


Measured Performance at 1.85GHz Vertical Plane



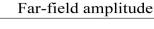


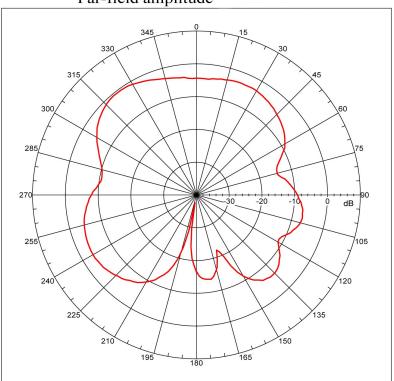
Measured Performance at 1.9GHz Vertical Pane





Measured Performance at 2.17GHz Vertical Plane

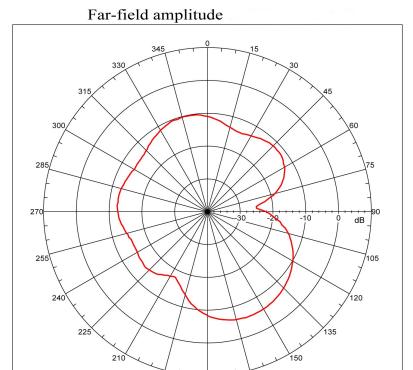


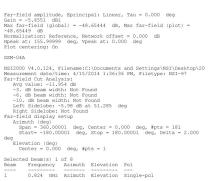


```
Par-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -0.59095 dml Max far-field (global) = -48.12306 dm, Max far-field (plot) = -48.12307 dm Normalization: Reference, Network offset = 0.000 dm Hpeak at: -40.00001 deg, Vpeak at: 0.000 deg Plot centering on
    GSM-UAN
MISIZODO V4.0.124, Filename:C:\Documents and Settings\MSI\Desktop\20
Measurement date/fine: 4/15/2014 1:43:10 PM, Filetype: NSI-97
Far-field Cut Analysis:
Awg value: -6.723 dB
-3. dB beam width: 146.88 deg
-6. dB beam width: 146.88 deg
-10. dB beam width: 146.89 deg
-10. dB beam width: 143.19 deg
-10.
                                                                                              ed beam(s) 1 of 8
Frequency Azimuth Elevation Pol
2.170 GHz Azimuth Elevation Single-pol
```

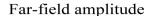


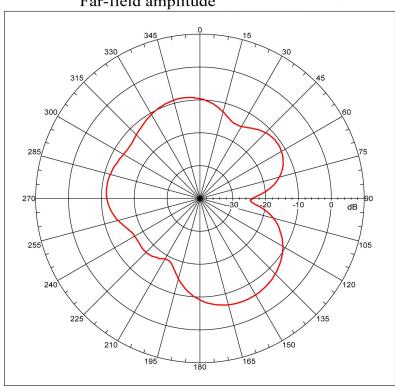
Measured Performance at 824MHz Horizontal Plane





Measured Performance at 850MHz Horizontal Plane



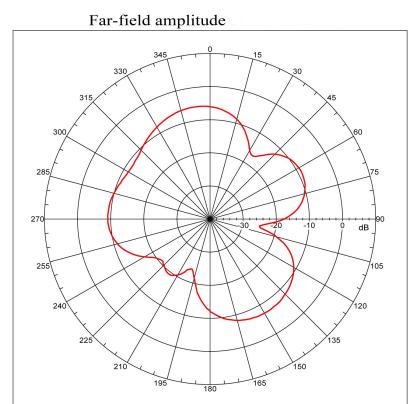


```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -6.0091 dBl Max far-field (global) = -47.26596 dB, Max far-field (plot) = -47.26603 dB Normalization: Reference, Network offset = 0.000 dB Npeak at: 133.99999 deg, Vpeak at: 0.000 deg Plot centering Om
   GSM-O4A

**NILOMON VA.0.124, FilenamerC:\Documents and Settings\NSI\Desktop\20
**Measurement date/time: 4/15/2014 1:36:36 FM, Filetype: NSI-97
**Par-field Cut Naalysis:
Par-field Cut Naalysis:
-3. db beam width: NOF Found
-6. dB beam width: NOF Found
-10. dB beam width: NOF Found
-10. dB beam width: NOF Found
Left Sidelobe: -5.01 dB at 57.318 deg
**Right Sidelobe: NOF Found
**Par-field Cut NoF Found
**Par
                                     Elevation (deg)
Center = 0.000 deg, #pts = 1
       Selected beam(s) 1 of 8
Beam Frequency Azimuth Elevation Pol
2 0.850 GHz Azimuth Elevation Single-pol
```



Measured Performance at 900MHz Horizontal Plane



```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg

Gain = -5.85129 dB;

Max far-field (global) = -47.41097 dB, Max far-field (plot) =

-47.41097 dB

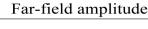
Mormalization: Reference, Network offset = 0.000 dB

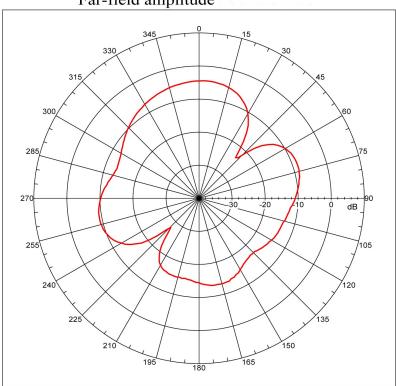
Hpeak att -5.0001 deg, Vpeak att 0.000 deg

Plot centering; On
CGM-04A

NSIZODO V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
Measurement date/rime: 4/15/2014 1:36:36 PM, Filetype: NSI-97
Fil
deg
Elevation (deg)
Center = 0.000 deg, #pts = 1
   Selected beam(s) 1 of 8
Beam Frequency Azimuth Elevation Pol
3 0.900 GHz Azimuth Elevation Single-pol
```

Measured Performance at 960MHz Horizontal Plane

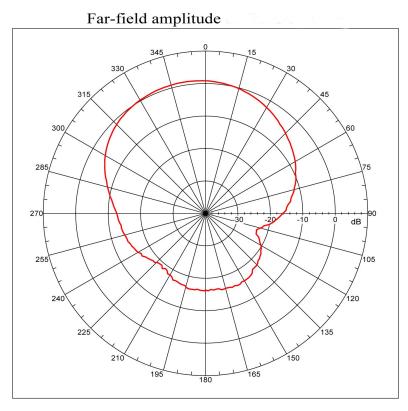




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -4.44603 dBi
Max far-field (global) = -47.0757 dB, Max far-field (plot) = -47.0757 dB. Normalization: Reference, Network offset = 0.000 dB Rheak at: 1.59399 deg, Vpeak at: 0.000 deg
Plot centering on
deg
Elevation (deg)
Center = 0.000 deg, #pts = 1
 Selected beam(s) 1 of 8
Beam Frequency Azimuth Elevation Pol
4 0.960 GHz Azimuth Elevation Single-pol
```

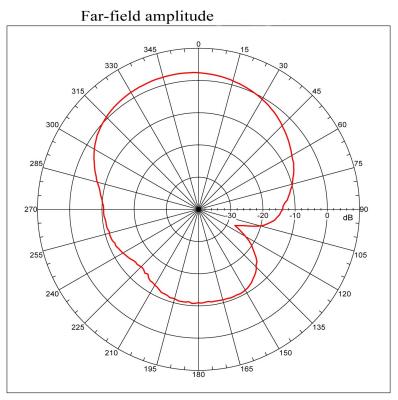


Measured Performance at 1.770GHz Horizontal Plane



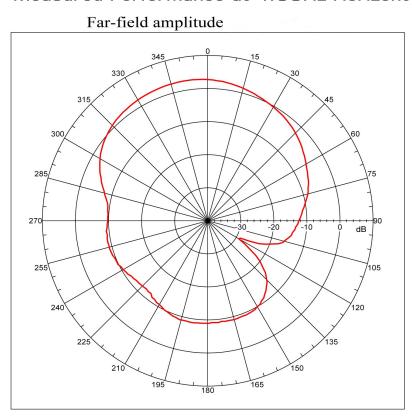
```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 0.97956 dBI
Max far-field (global) = -45.20866 dB, Max far-field (plot) = -45.20867 dB
Max far-field (global) = -45.20866 dB, Max far-field (plot) = -45.20867 dB
Moralization: Reference, Network offset = 0.000 dB
Moralization: Network offset = 0.000 dB
Moral
```

Measured Performance at 1.85GHz Horizontal Plane





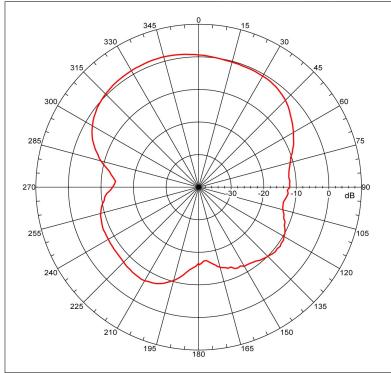
Measured Performance at 1.9GHz Horizontal Plane



```
Ser-field amplitude, Sprincipal: Linear, Tau = 0.000 deg Galn = 1.89256 dBl
Max far-field (global) = -44.1446 dB, Max far-field (plot) = -44.1446 dB, Max far-field CB, Max far-field CB, Verence (plot) = -4.4164 dB, Max far-field CB, Max far-field
```

Measured Performance at 2.17GHz Horizontal Plane





```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 1.44719 dB:

Max far-field (global) = -46.08492 dB, Max far-field (plot) = -46.08493 dB Max far-field (global) = -46.08493 dB Max far-field (plot) = -46.08493 dB Max far-field (global) = -49.08493 dB Max far-field (global) = -49.08493
```

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DO NOT

Discard with normal waste, please recycle.

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WEEE Directive 2002/96/EC

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