

|                       |            |            |            |      |     |
|-----------------------|------------|------------|------------|------|-----|
| 2008-01-23 SPEC SHEET | DATA       | 2007-11-07 | REV.       | IR   |     |
| MODEL                 | ARD-CHP-ST | TYPE       | PATCH TYPE | PAGE | 1/4 |

# **ARD-CHP-ST**

## **Specification**

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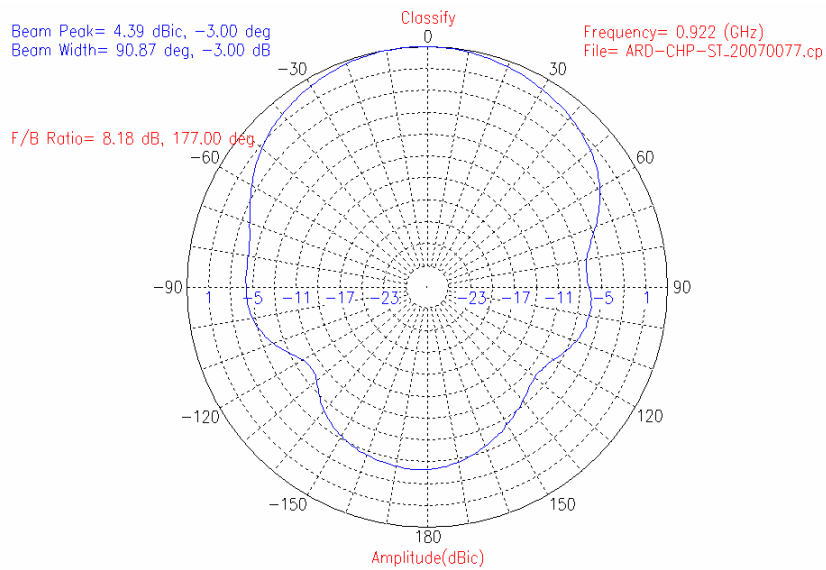
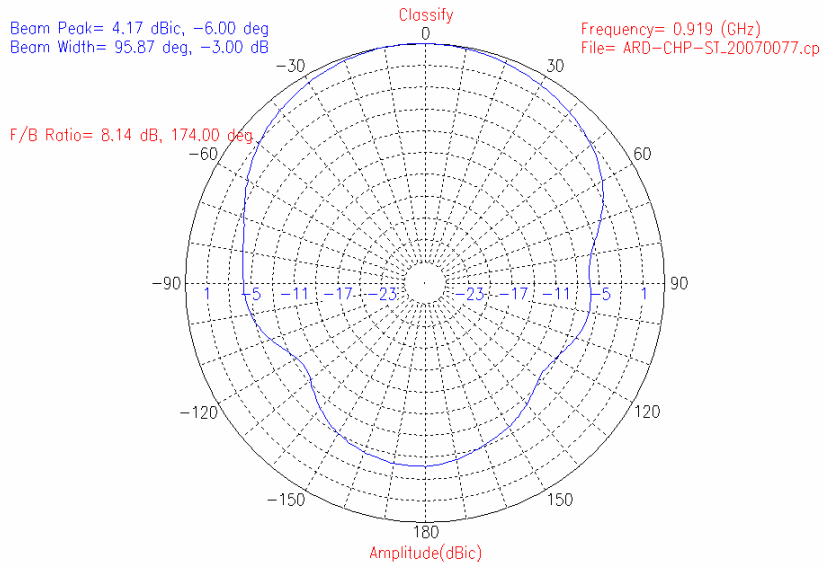
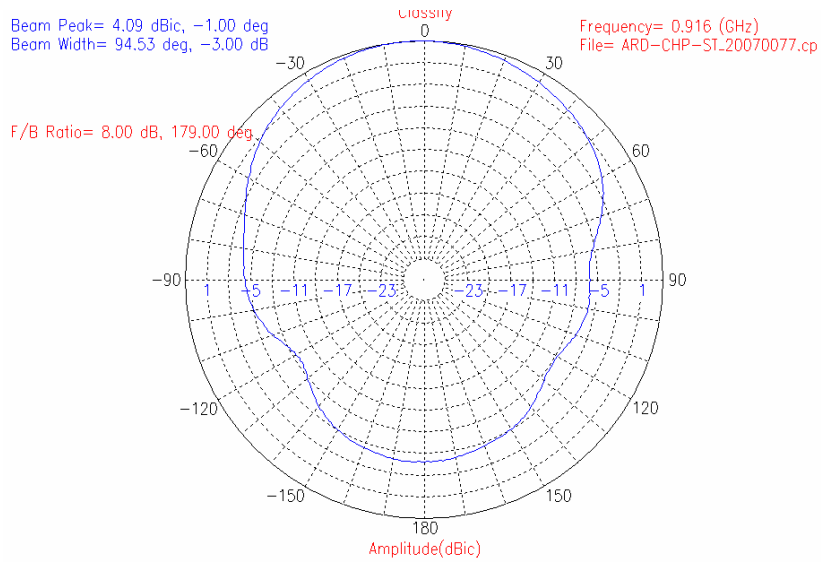
- 1. Electrical Specification**
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|                       |            |      |            |      |     |
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| 2008-01-23 SPEC SHEET |            | DATA | 2007-11-07 | REV. | IR  |
| MODEL                 | ARD-CHP-ST | TYPE | PATCH TYPE | PAGE | 2/4 |

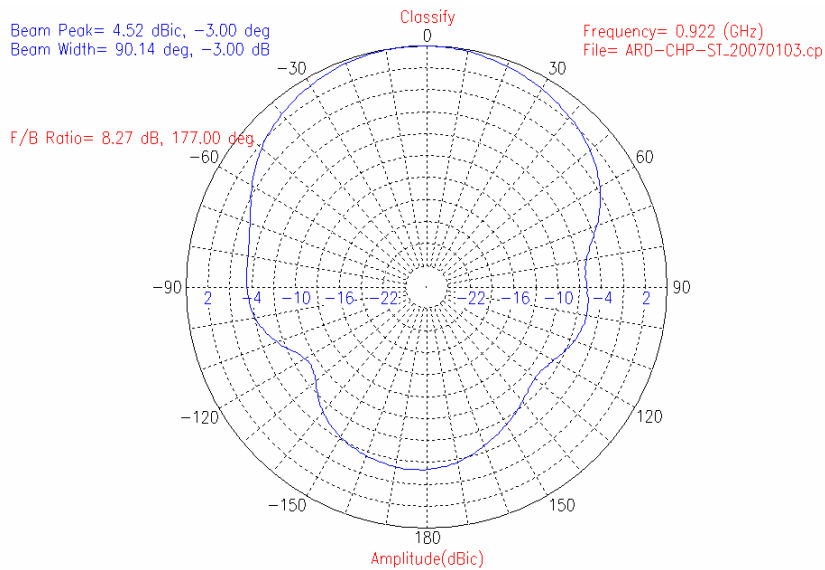
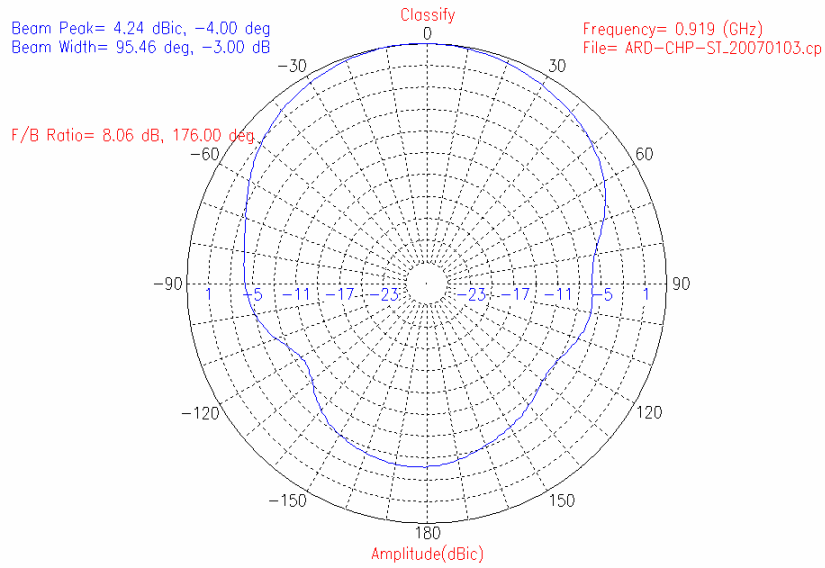
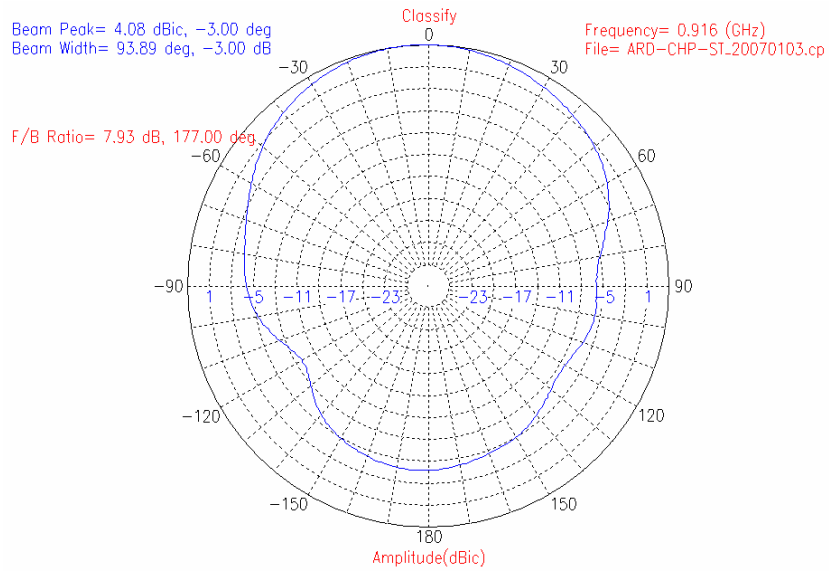
# 1. SPECIFICATION

|                              |             |                              |      |                |   |
|------------------------------|-------------|------------------------------|------|----------------|---|
| <h2>Specification Sheet</h2> |             |                              |      |                |   |
|                              |             |                              |      |                |   |
|                              |             | /                            | /    | /              | / |
| Model                        | ARD-CHP-ST  |                              | REV. | IR             |   |
| Spec No                      |             |                              | Page | 1 of 1         |   |
| Written by                   | CHO SOO MAN |                              | Date | 12 July , 2007 |   |
| Electrical Data              |             |                              |      |                |   |
| Model                        |             | ARD-CHP-ST                   |      |                |   |
| Frequency Range              |             | 902 ~ 928 MHz                |      |                |   |
| BandWidth                    |             | 26 MHz                       |      |                |   |
| Gain                         |             | 4.52 dBi (Max)               |      |                |   |
| V .S .W .R                   |             | 1.5 :1 (Max)                 |      |                |   |
| Axial Ratio                  |             | 4dB (Max)                    |      |                |   |
| -3 dB Beamwidth              |             | 80° (Min)                    |      |                |   |
| Front to back ratio          |             | 6 dB (Min) (at ±180°)        |      |                |   |
| Polarization                 |             | Circular                     |      |                |   |
| Impedance                    |             | 50 ohms                      |      |                |   |
| Maximum input power          |             | 1 Watts                      |      |                |   |
| Mecanical Data               |             |                              |      |                |   |
| Dimensions                   |             | 80 X 80 X 6.4 mm (W X H X D) |      |                |   |
| Weight                       |             | 103 g                        |      |                |   |
| Connector type               |             | MMCX MALE                    |      |                |   |
| Etc.                         |             |                              |      |                |   |

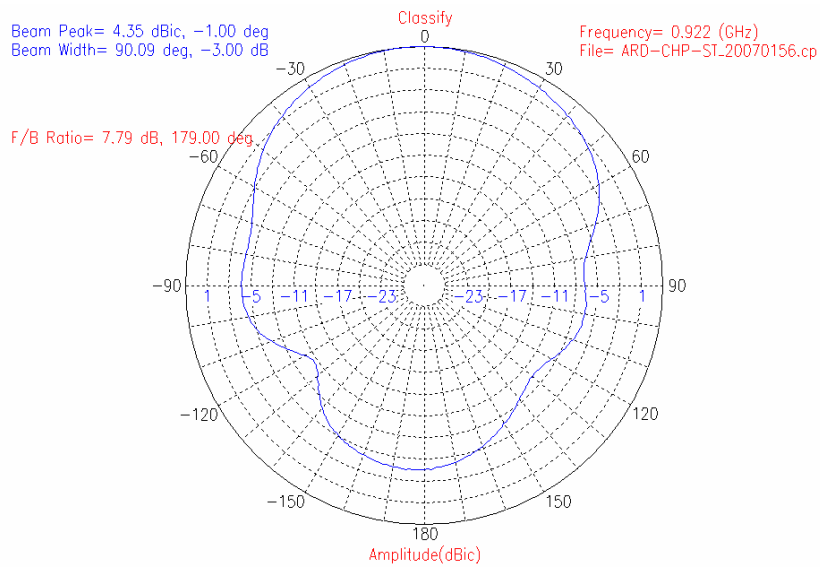
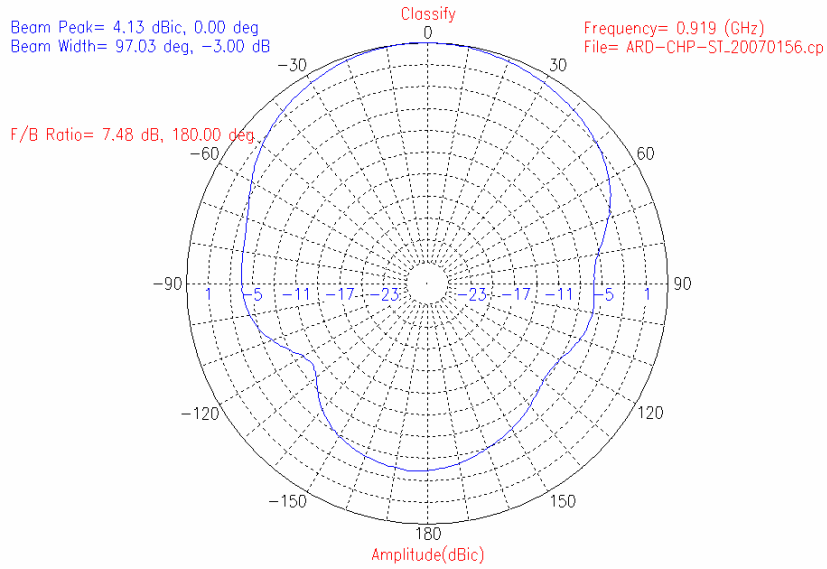
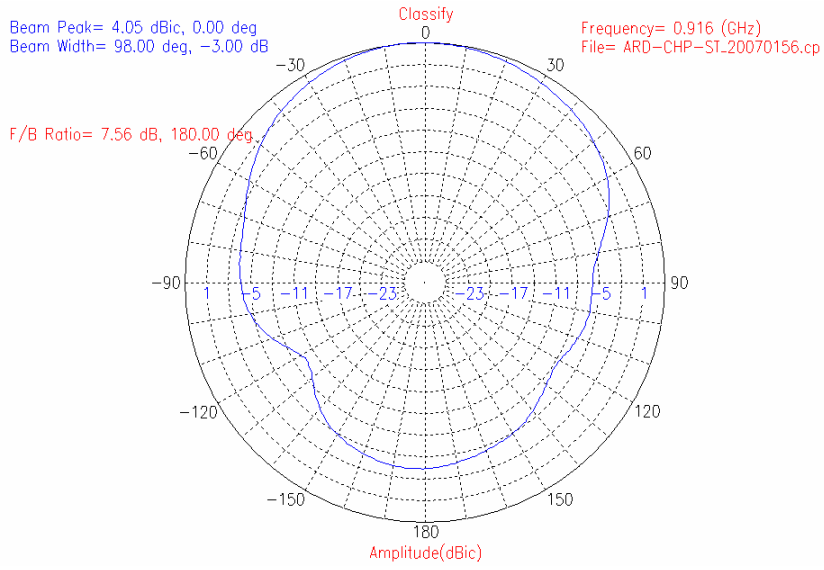
☉ Gain / 3dB beam width / Front-Back Ratio \_ S/N : 20070077



☉ Gain / 3dB beam width / Front-Back Ratio \_ S/N : 20070103



Gain / 3dB beam width / Front-Back Ratio \_ S/N : 20070156

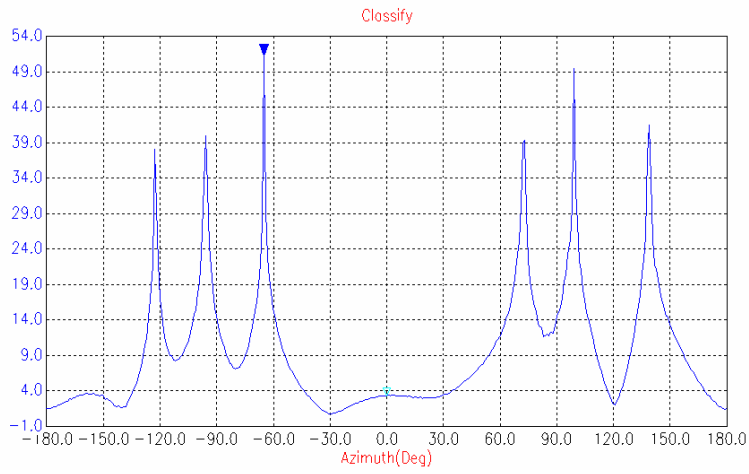


⊙ Axial Ratio \_ S/N : 20070077

Beam Peak= 51.21 dBi, -65.00 deg

Frequency= 0.916 (GHz)  
File= ARD-CHP-ST\_20070077.or.PAT

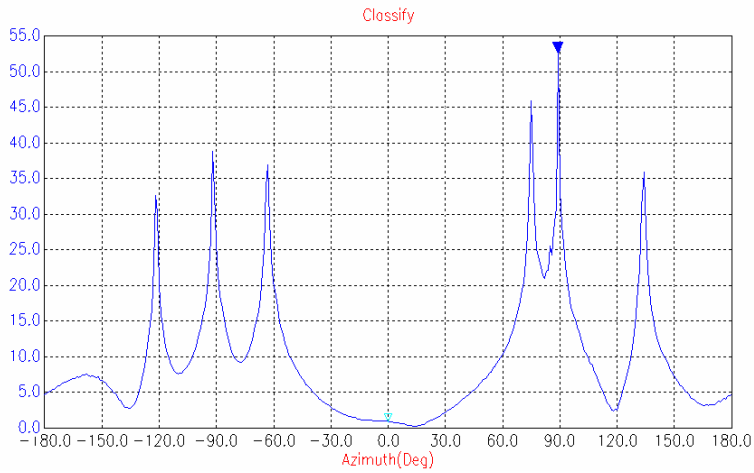
▽ Power= 3.27 dB, 0.0 deg



Beam Peak= 52.45 dBi, 89.00 deg

Frequency= 0.919 (GHz)  
File= ARD-CHP-ST\_20070077.or.PAT

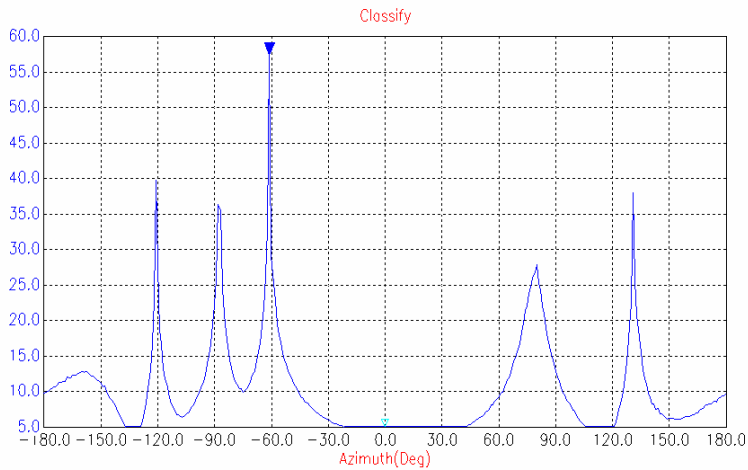
▽ Power= 0.89 dB, 0.0 deg



Beam Peak= 57.43 dBi, -61.00 deg

Frequency= 0.922 (GHz)  
File= ARD-CHP-ST\_20070077.or.PAT

▽ Power= 3.88 dB, 0.0 deg

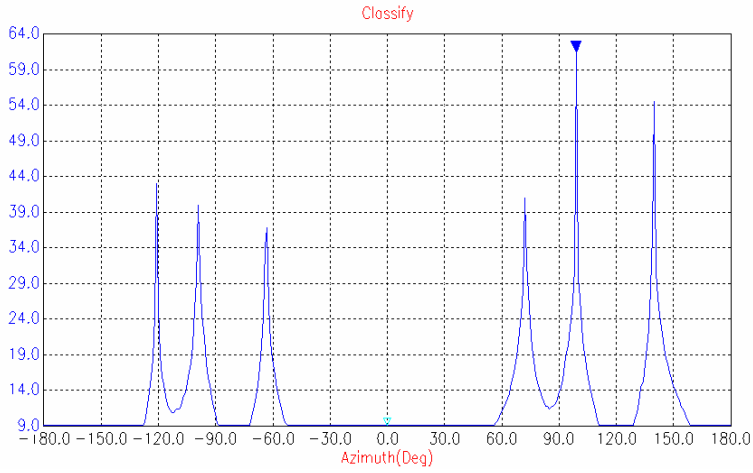


⊙ Axial Ratio \_ S/N : 20070103

Beam Peak= 61.34 dBi, 99.00 deg

Frequency= 0.916 (GHz)  
File= ARD-CHP-ST\_20070103.or.pot

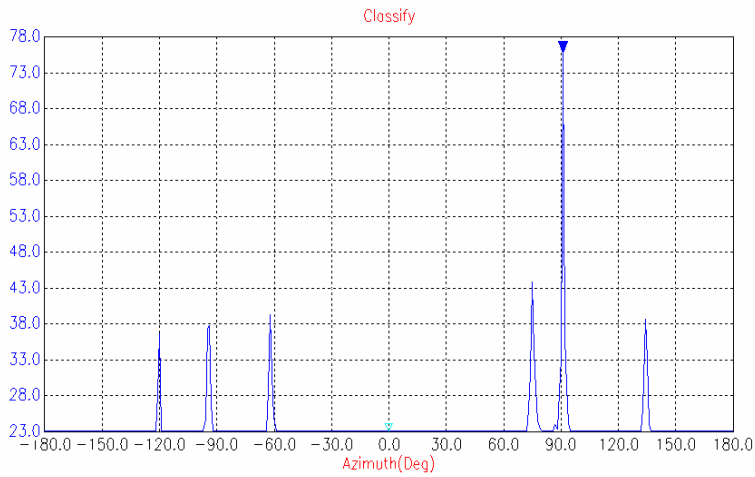
▽ Power= 3.11 dB, 0.0 deg



Beam Peak= 75.75 dBi, 91.00 deg

Frequency= 0.919 (GHz)  
File= ARD-CHP-ST\_20070103.or.pot

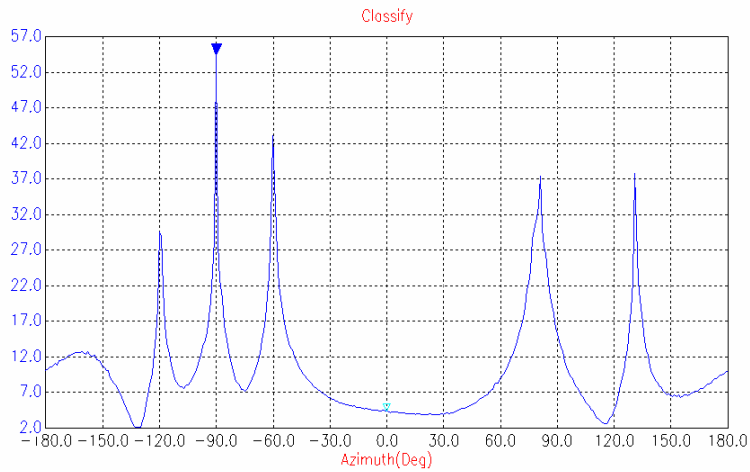
▽ Power= 1.45 dB, 0.0 deg



Beam Peak= 54.40 dBi, -90.00 deg

Frequency= 0.922 (GHz)  
File= ARD-CHP-ST\_20070103.or.pot

▽ Power= 4.29 dB, 0.0 deg

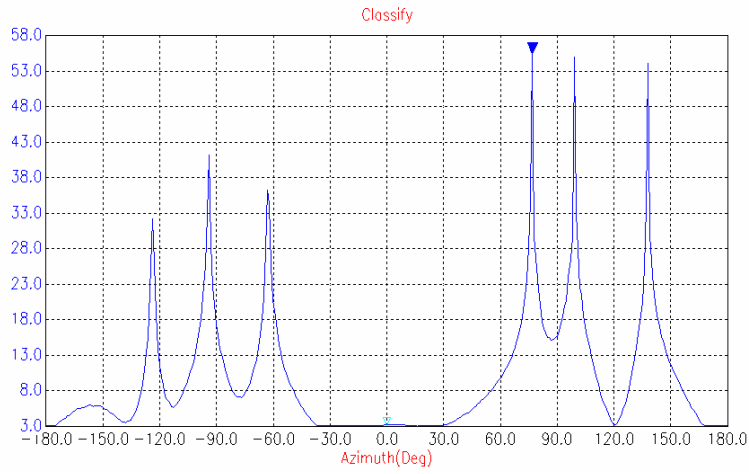


⊙ Axial Ratio \_ S/N : 20070156

Beam Peak= 55.37 dBi, 77.00 deg

Frequency= 0.916 (GHz)  
File= ARD-CHP-ST\_20070156.or.pat

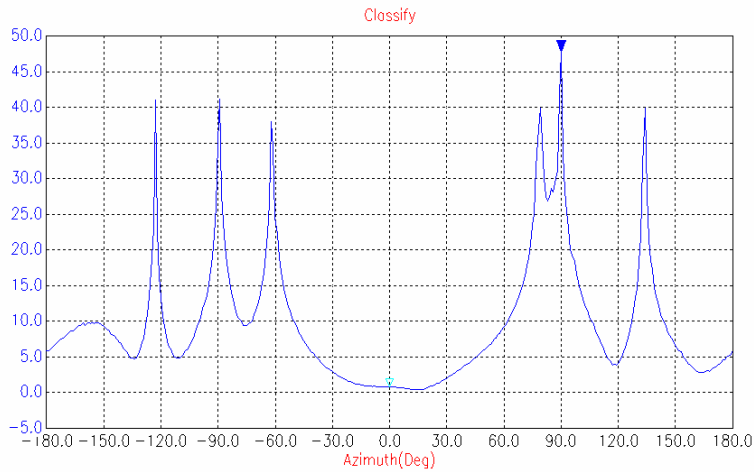
▼ Power= 3.13 dB, 0.0 deg



Beam Peak= 47.76 dBi, 90.00 deg

Frequency= 0.919 (GHz)  
File= ARD-CHP-ST\_20070156.or.pat

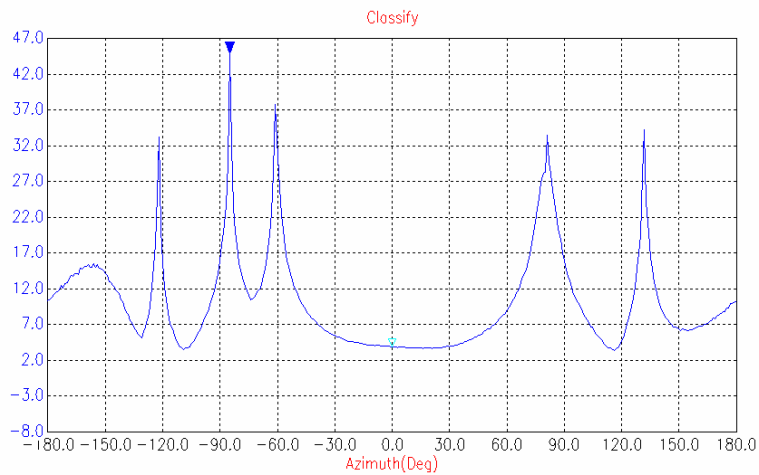
▼ Power= 0.76 dB, 0.0 deg



Beam Peak= 44.90 dBi, -85.00 deg

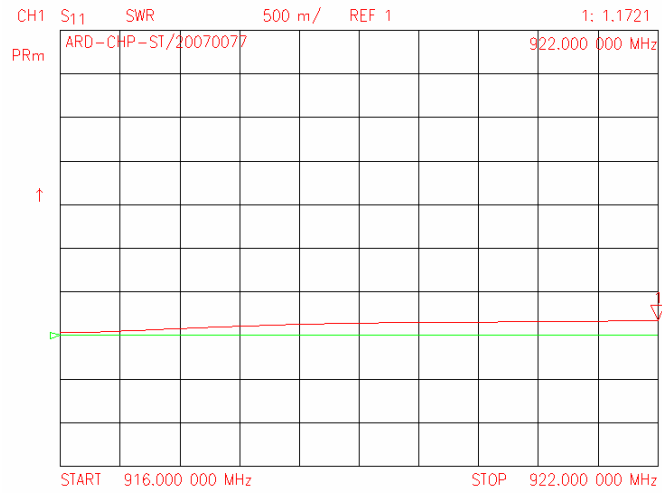
Frequency= 0.922 (GHz)  
File= ARD-CHP-ST\_20070156.or.pat

▼ Power= 3.82 dB, 0.0 deg

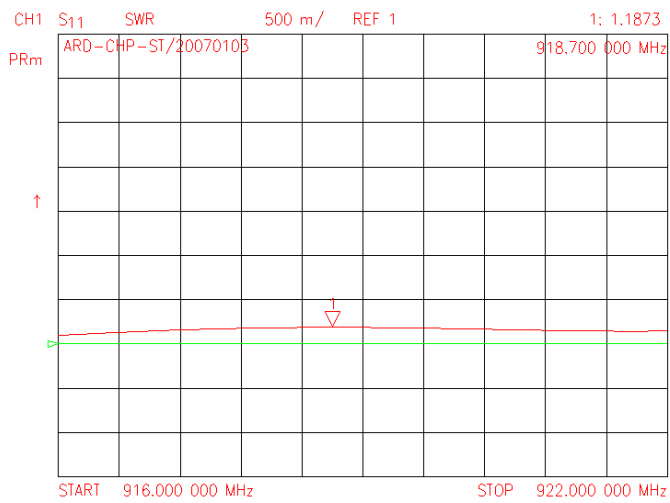




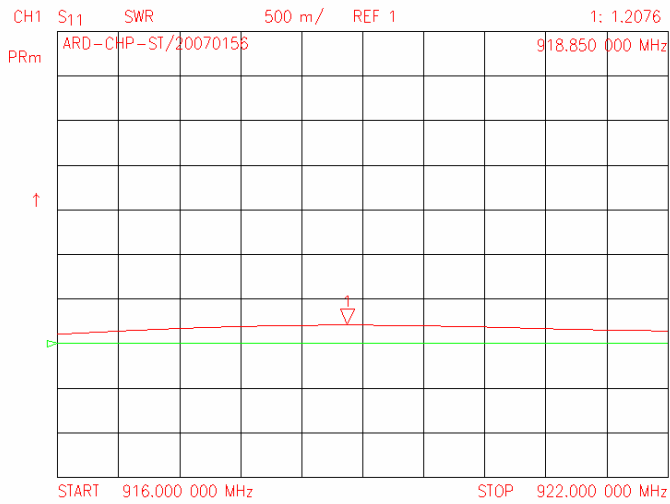
⊙ VSWR \_ S/N : 20070077



⊙ VSWR \_ S/N : 20070103



⊙ VSWR \_ S/N : 20070156



ACE ANTENNA(61.6 x 62.6)



ARD-CHP-ST