



***AN\_A7105\_03***

***Preliminary***

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# **Application Note AN\_A7105\_03**

## **2.4 GHz Antenna Radiation Pattern (Test in ADT)**



**Document Title**

**Application Note AN\_A7105\_03**

**Revision History**

| <b><u>Rev.</u></b> | <b><u>History</u></b>       | <b><u>Issue Date</u></b> | <b><u>Remark</u></b> |
|--------------------|-----------------------------|--------------------------|----------------------|
| 0.0                | Initial issue               | January, 2009            | Preliminary          |
| 0.1                | Change English Company Name | Nov. 30, 2010            | Preliminary          |



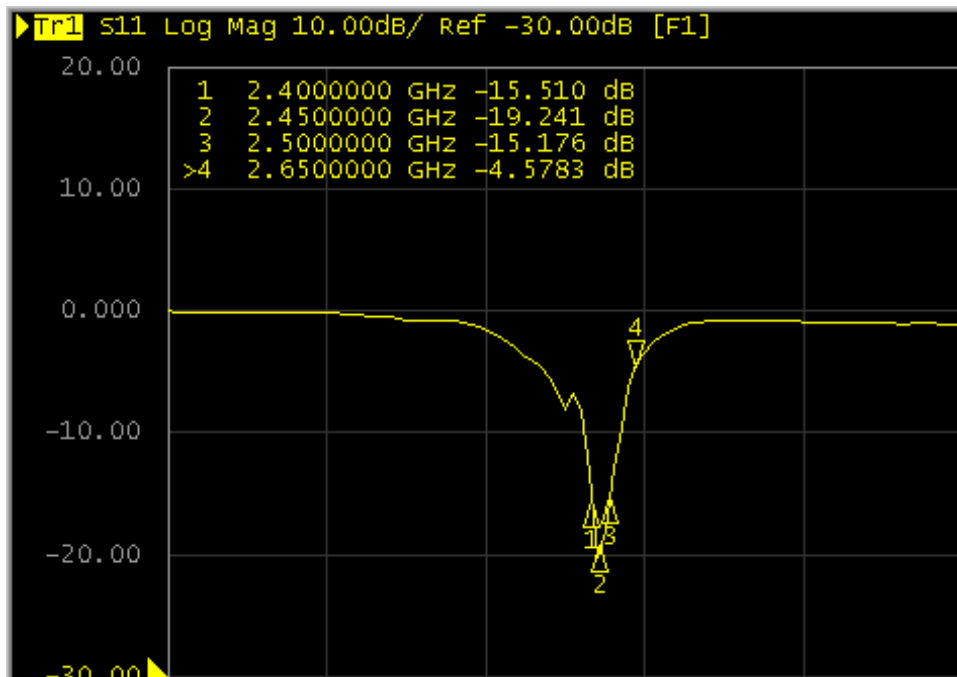
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## 1. N06E Antenna

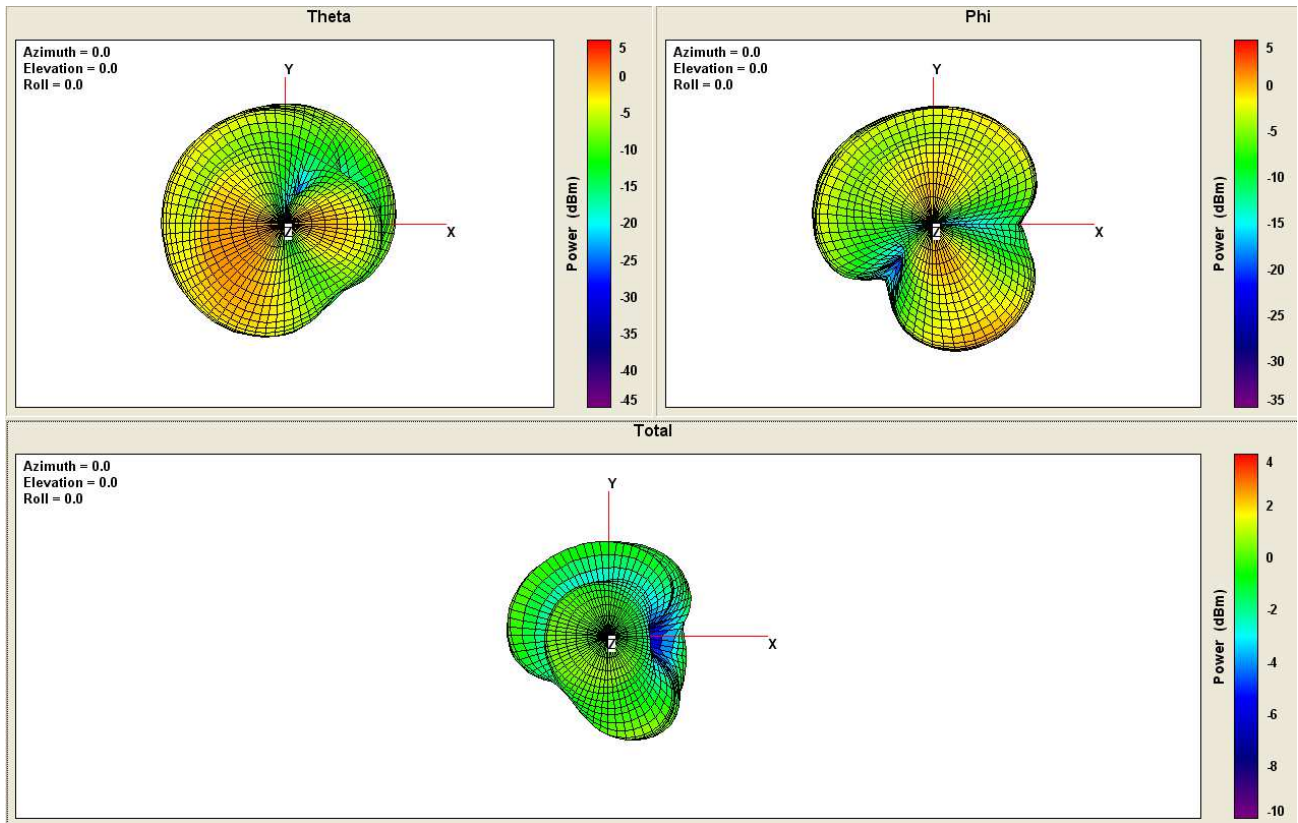
### 1.1 N06E Antenna Picture

### 1.2 Antenna S11

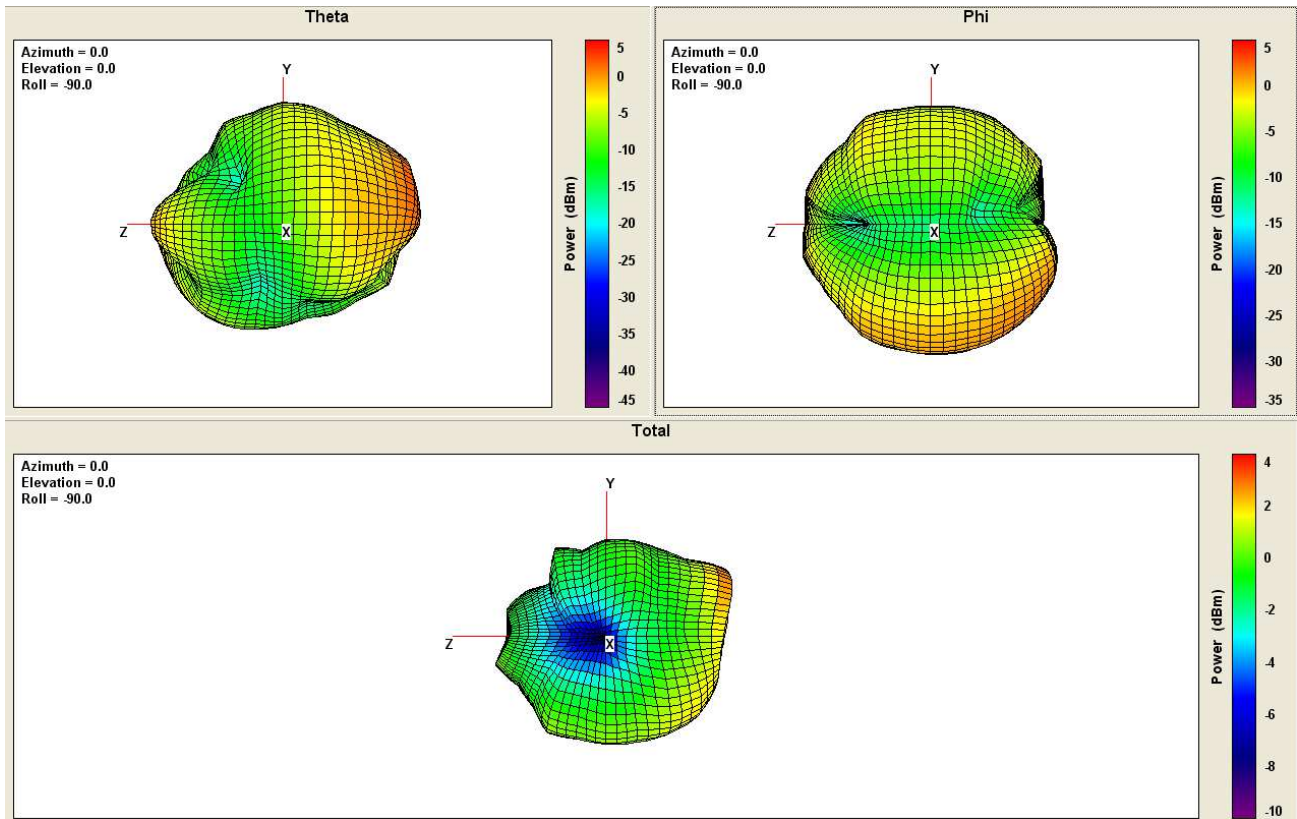


## 1.3 Antenna Pattern (3-D)

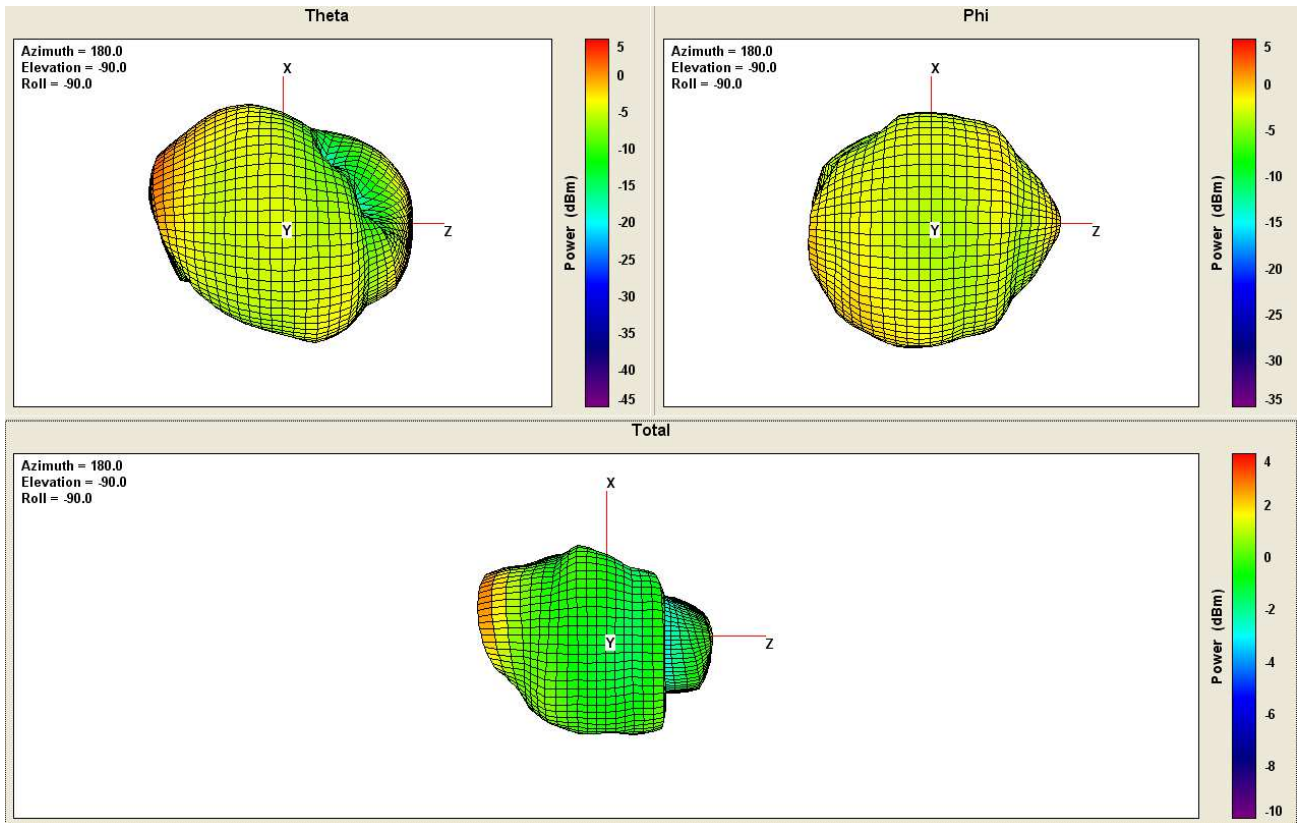
### 1.3.1 XY plane



### 1.3.2 YZ plane



### 1.3.3 XZ plane



## 1.4 Antenna Efficiency

| Frequency (MHz)            | 2400      | 2450     | 2500     |
|----------------------------|-----------|----------|----------|
| Ant. Port Input Pwr. (dBm) | 0         | 0        | 0        |
| Efficiency (%)             | 80.3991   | 78.6404  | 74.5342  |
| Average Gain (dB)          | -0.947487 | -1.04354 | -1.27644 |
| Peak Gain(dBi)             | 3.123521  | 3.137165 | 3.271384 |

## 1.5 Antenna Dimension

### 1.6 Antenna manufacturer

H. J. T. Electronics Ltd  
 Floor 5, TowerAB, TianJi Building, TianAn Cyber Park, FuTian District, ShenZhen, China.P.C.518031.