

Product name :

## TEST REPORT

### Antenna test report

1. Objective: Antenna patterns of bluetooth printed inverted-F antenna
2. Date : 17 May 2003
3. Manufacturer: Gemtek
4. Sample name:
5. Model name:
6. Specification:
7. Test item: vertical and horizontal polarizations on normal 3 cuts planes.

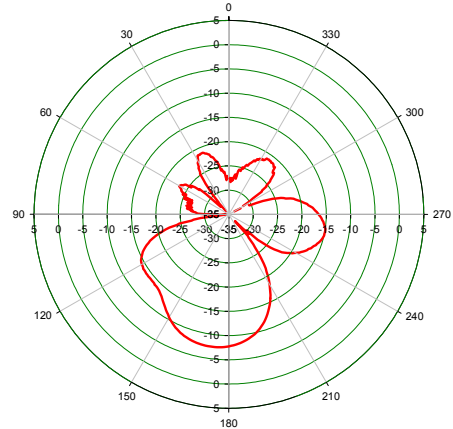
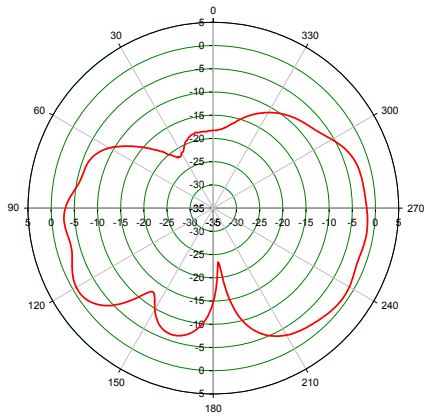
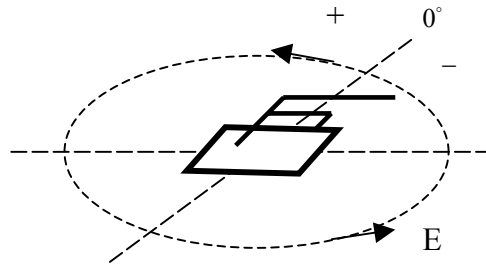
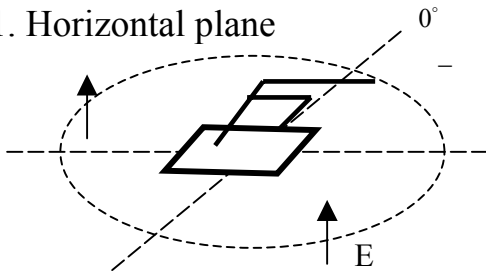
Approval :

Eng : Joe

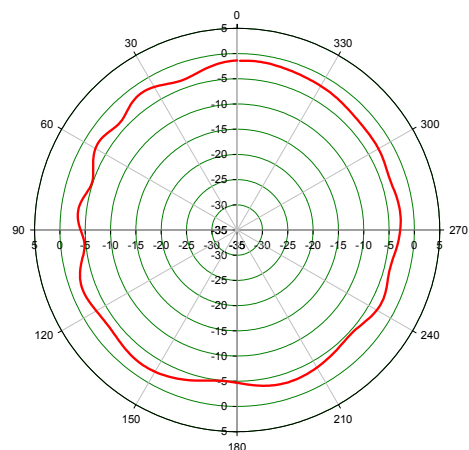
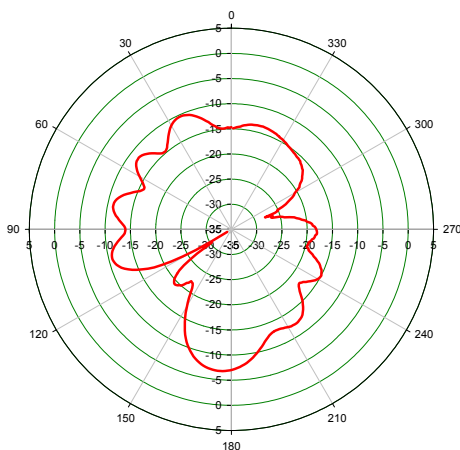
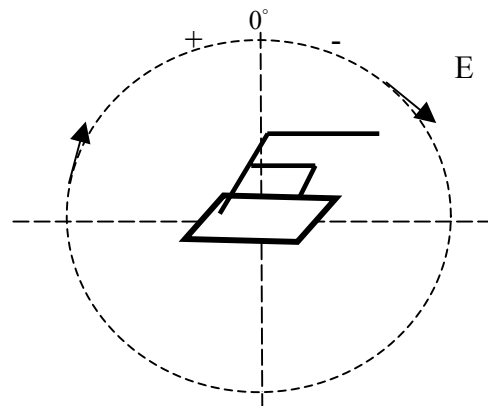
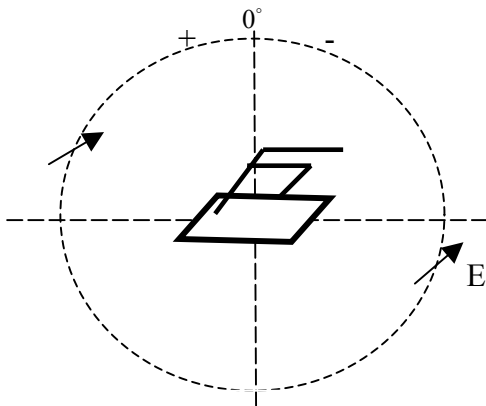
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# TEST REPORT

## 1. Horizontal plane



## 2. Vertical plane 1



Approval :

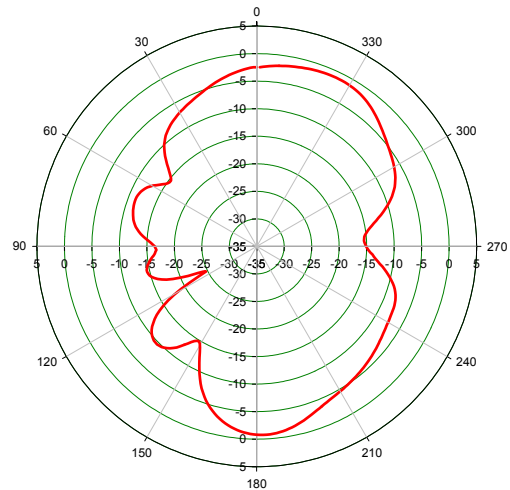
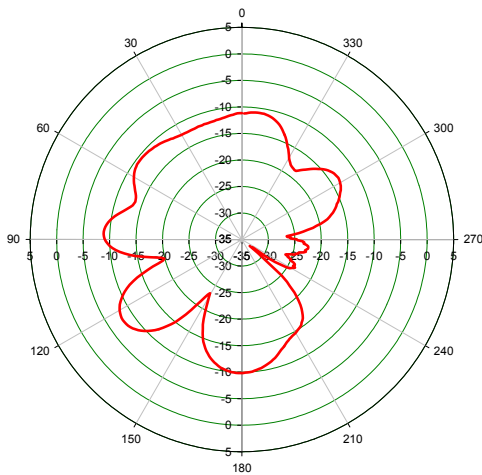
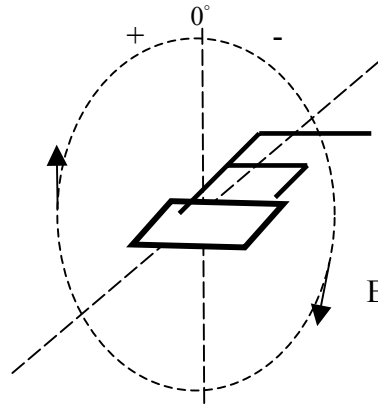
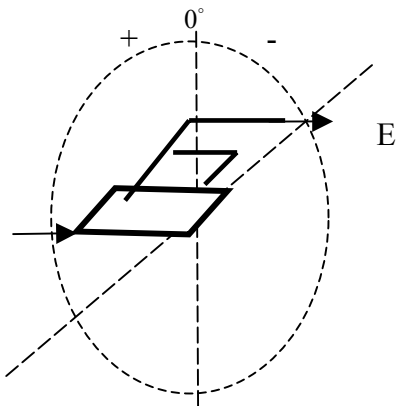
Eng :

Joe

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## TEST REPORT

### 3. Vertical plane 2



### ● Appendix: gain data

|                         | Left pattern |          | Right pattern |           |
|-------------------------|--------------|----------|---------------|-----------|
|                         | Max          | Avg      | Max           | Avg       |
| <b>Horizontal Plane</b> | -0.84dBi     | -8.34dBi | -7.46dBi      | -20.68dBi |
| <b>Vertical Plane1</b>  | -6.7dBi      | -15.1dBi | -1.34dBi      | -3.1dBi   |
| <b>Vertical Plane2</b>  | -7.8dBi      | -15dBi   | -0.76dBi      | -8.2dBi   |

Approval :

Eng :

Joe