

## Product specification

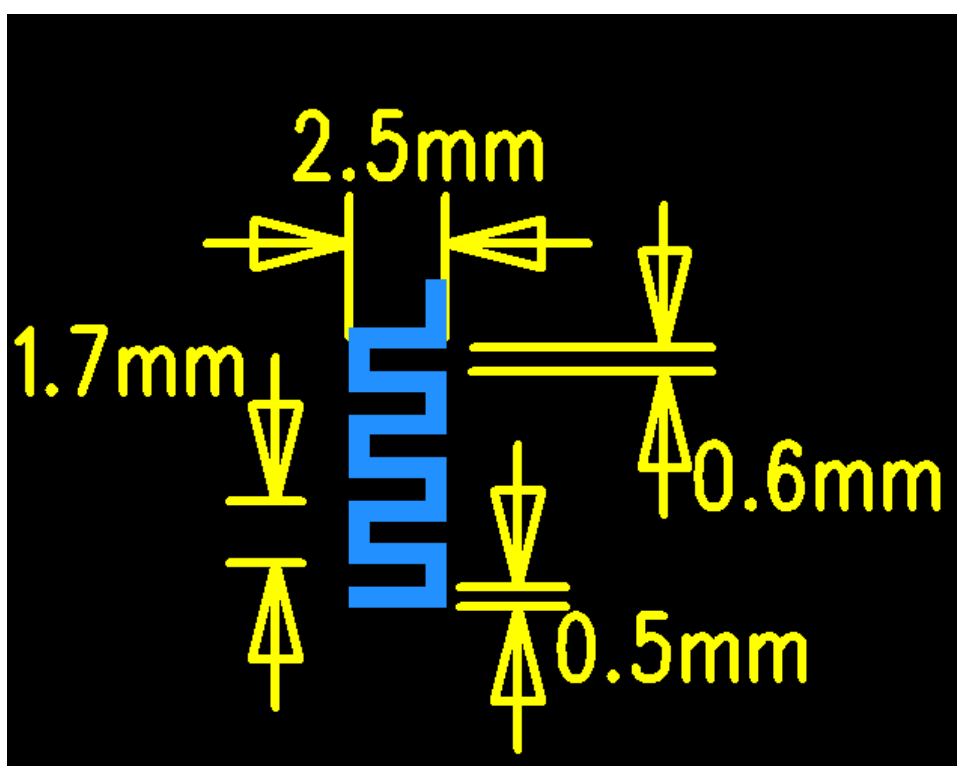
### Quick Reference Data

|                            |                                    |  |
|----------------------------|------------------------------------|--|
|                            | Antenna module on the system board |  |
| Frequenc Range             | 2400 ~ 2500MHz                     |  |
| Ant. Port Input Pwr. (dBm) | 0 (Typ. BT class 2 output power)   |  |
| Tot. Rad. Pwr. (dBm)       | -1.2 (Input pwr – loss pwr)        |  |
| Peak EIRP(dBm)             | 1.2                                |  |
| Directivity (dBi)          | 1 (all direction antenna)          |  |
| Efficiency (dB)            | 6 0.2 %                            |  |
| Gain (dBi)                 | 1.68 (Avg Gain XY-plane)           |  |
| Maximum Power (dBm)        | 1.7 (XY-plane)                     |  |
| Minimum Power (dBm)        | -4(XY-plane)                       |  |
| Avg. Power (dBm)           | -0.5(XY-plane)                     |  |
| Input Impedence(ohm)       | 50                                 |  |
| Polarization Type          | Vertical /Horizontal               |  |
| V . S .W . R               | <1.4                               |  |

All the technical data and information contained herein are subject to change without prior notice

### Antenna Layout & module on the system board

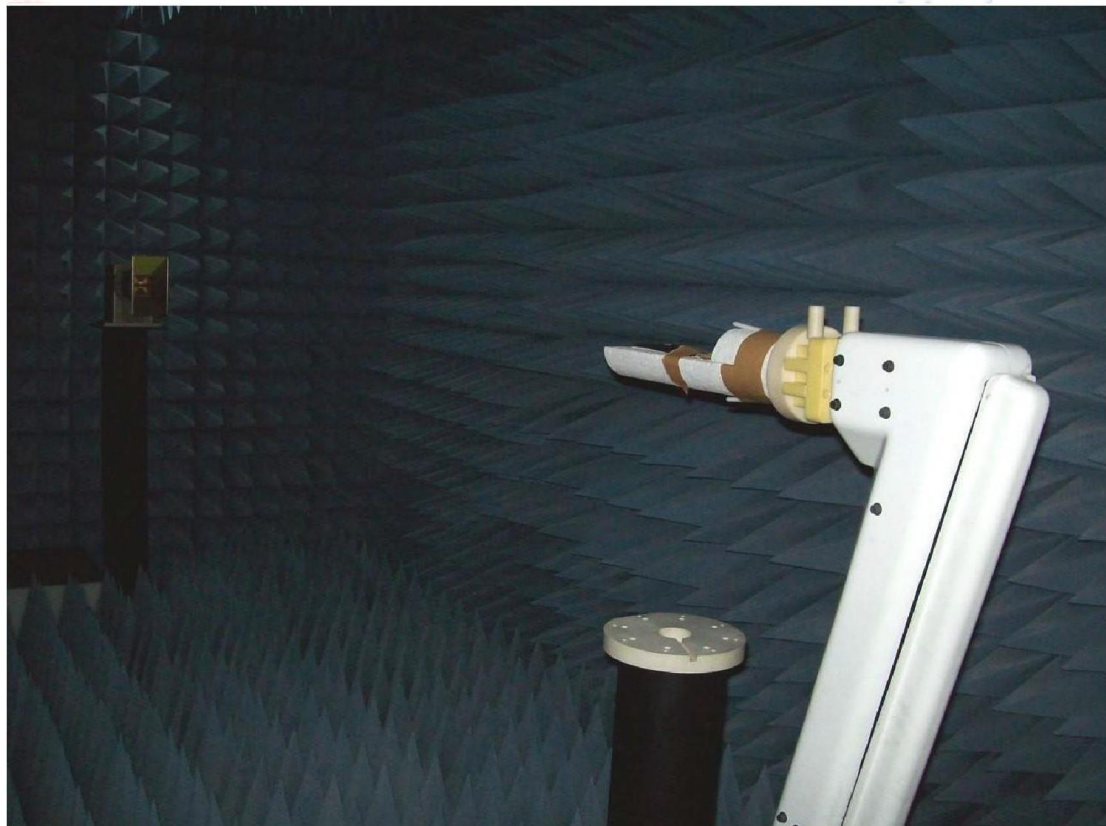
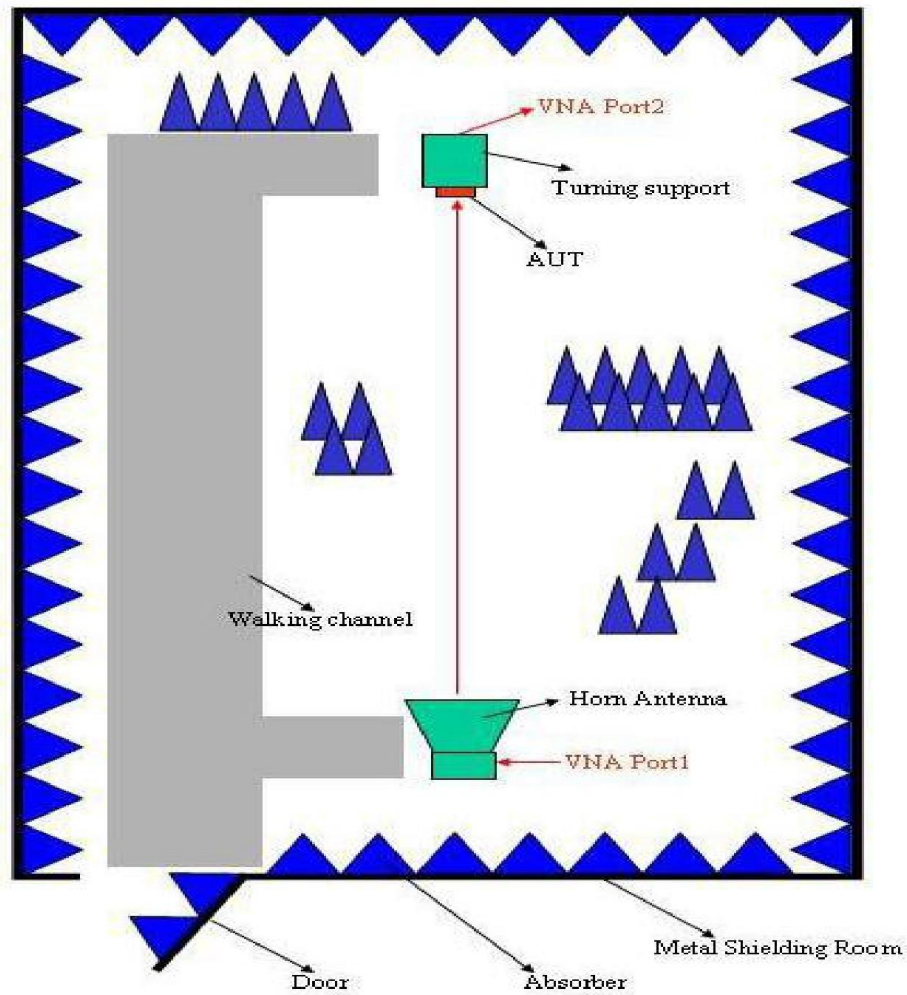
Antenna type: PCB Antenna



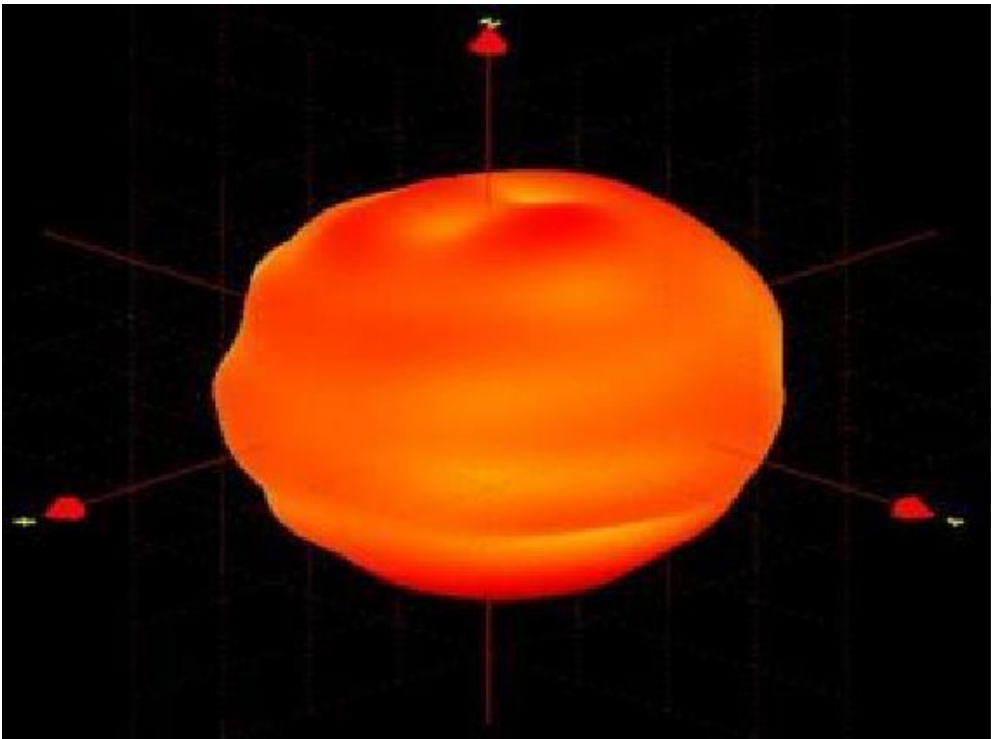
Return Lose



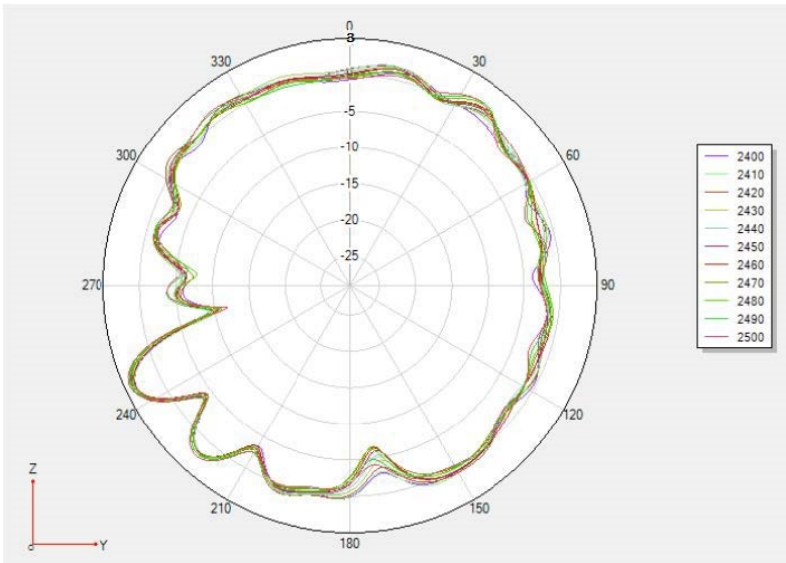
## The Environment of Antenna Radiation Pattern



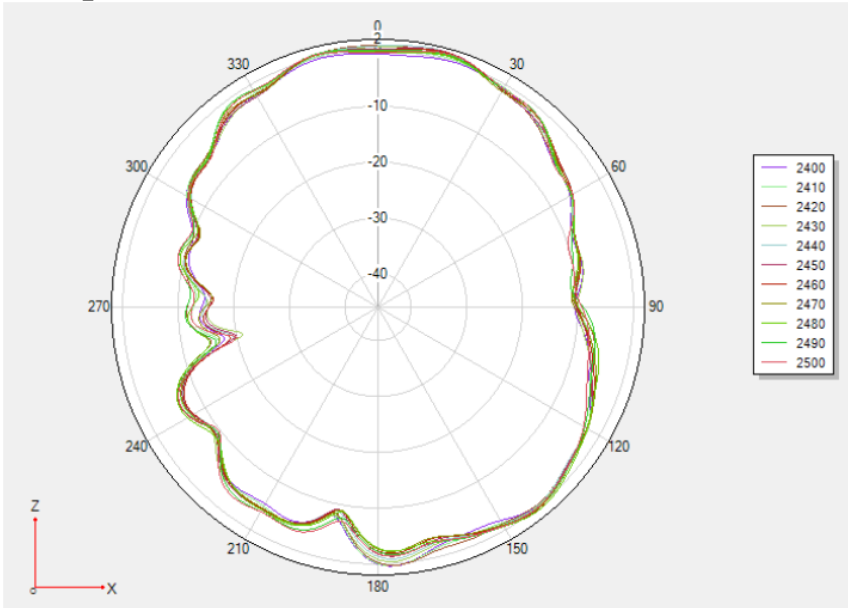
3D radiation pattern diagram



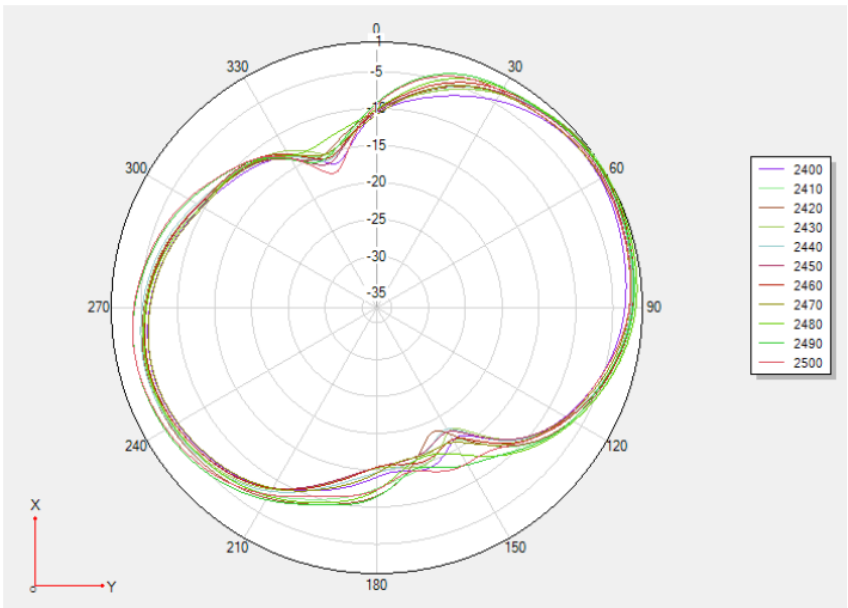
YZ-plane



XZ-plane



XY-plane



|                        |                |               |                |
|------------------------|----------------|---------------|----------------|
| <b>Frequency (MHz)</b> | <b>2400</b>    | <b>2450</b>   | <b>2500</b>    |
| <b>Avg. Gain (dBi)</b> | <b>- 1 .91</b> | <b>- 1.48</b> | <b>- 1 .31</b> |
| <b>Peck Gain (dBi)</b> | <b>1 .05</b>   | <b>1.34</b>   | <b>1.68</b>    |
| <b>Efficiency (%)</b>  | <b>72. 1</b>   | <b>74.5</b>   | <b>78.2</b>    |

### **ANT manufactuer**

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