

## Antenna test report

### Quick Reference Date

|                            |                                    |  |
|----------------------------|------------------------------------|--|
|                            | 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)                 | 1.35                               |  |
| Maximum Power (dBm)        | 1.7 (XY-plane)                     |  |
| Minimum Power (dBm)        | -4(XY-plane)                       |  |
| Avg. Power (dBm)           | -0.5(XY-plane)                     |  |
| Input Impendence(ohm)      | 50                                 |  |
| Polarization Type          | V ertical & H orizontal            |  |
| 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

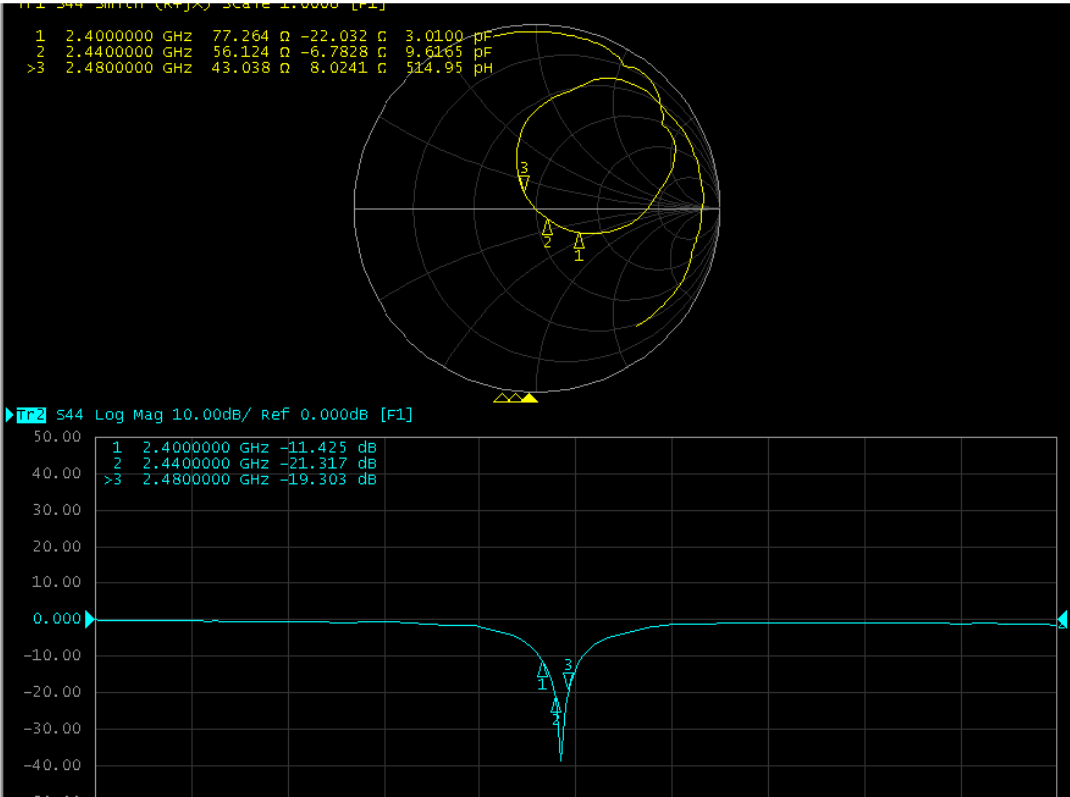


### Antenna Gain

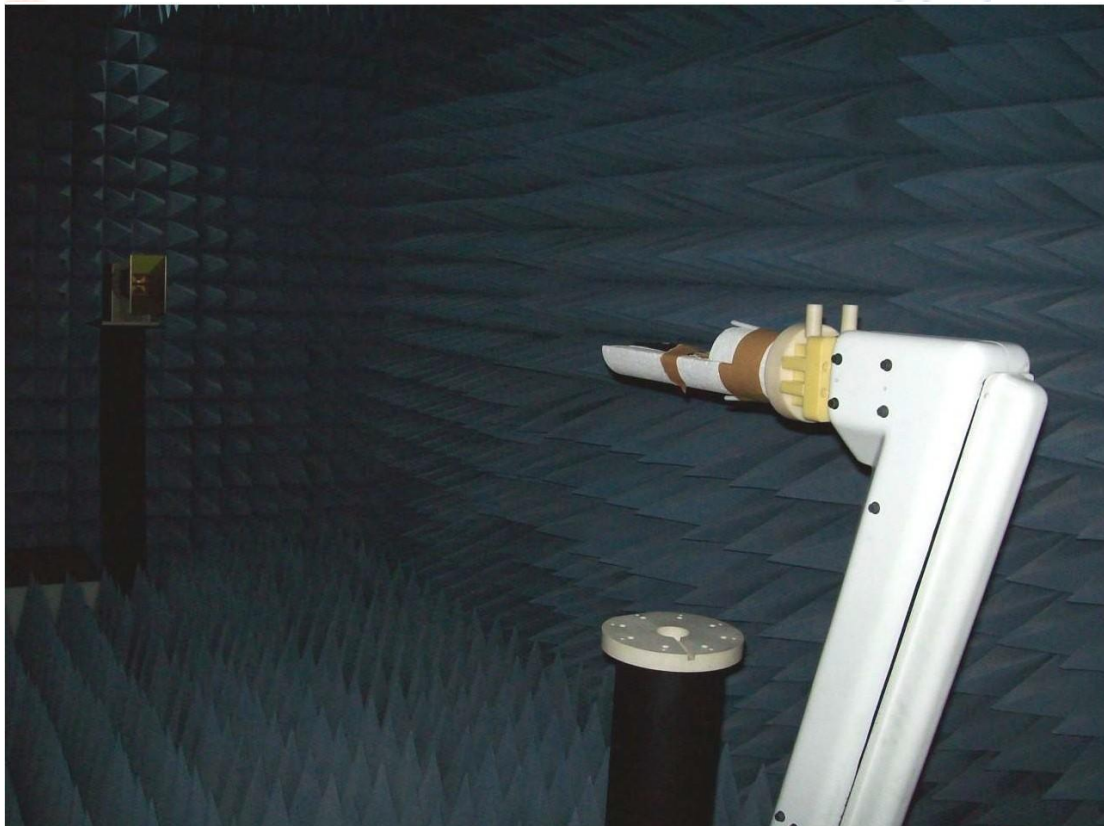
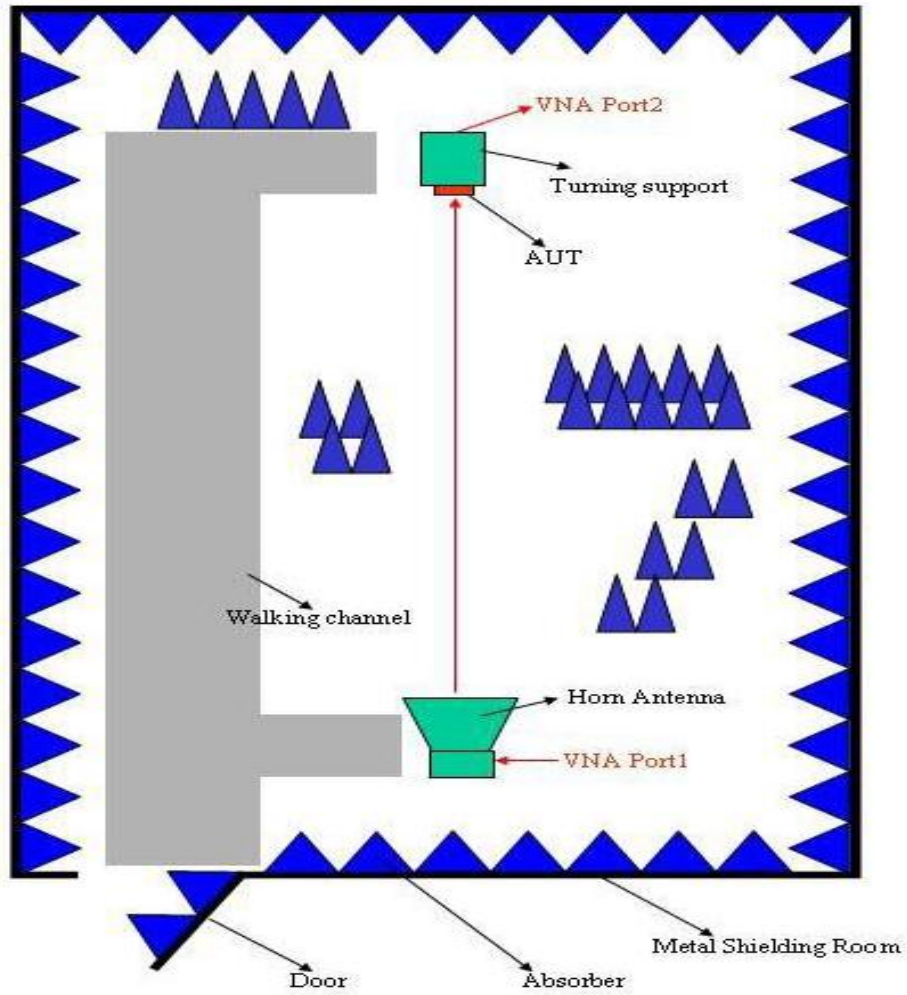
Gain Table

| Frequenc<br>2400-2500MHz | 2400 |       | 2450 |       | 2500 |       | Efficiency |
|--------------------------|------|-------|------|-------|------|-------|------------|
|                          | Peak | Avg.  | Peak | Avg.  | Peak | Avg.  |            |
| Gain(dBi)                | 1.23 | -0.06 | 1.35 | -3.11 | 1.21 | -3.09 | 6 1 .3%    |

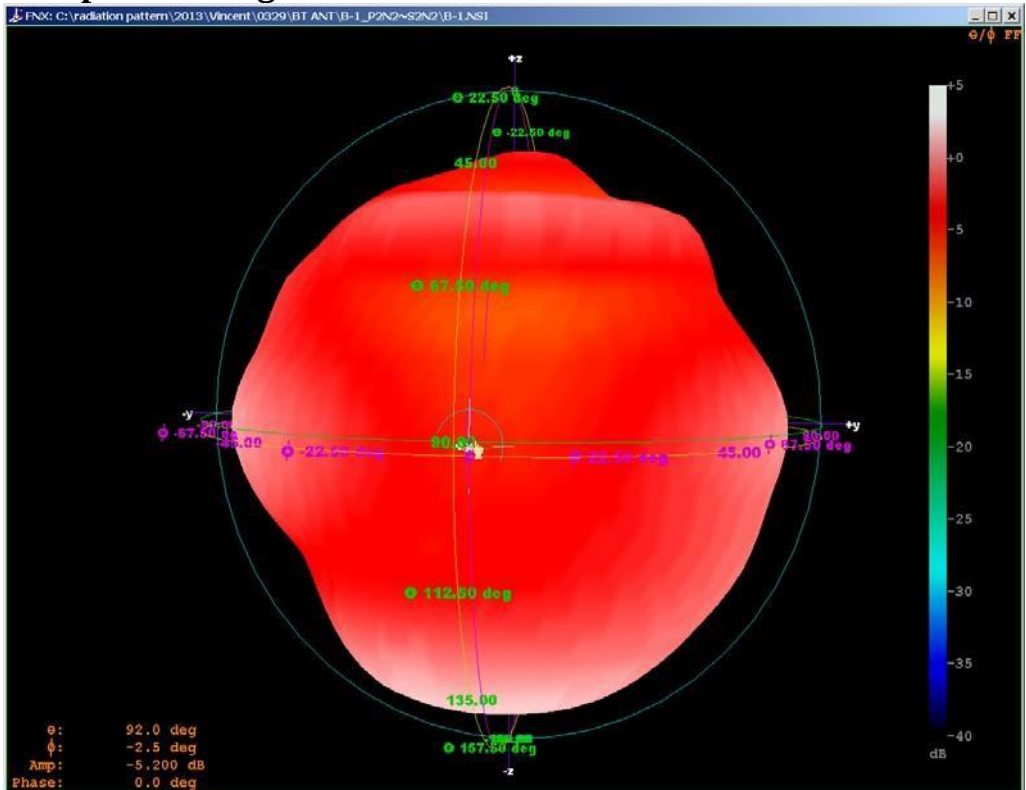
Return Loss



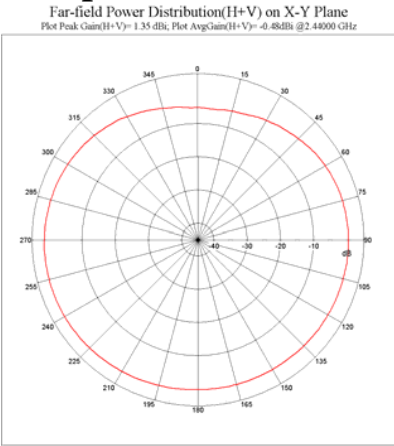
## The Environment of Antenna Radiation Pattern



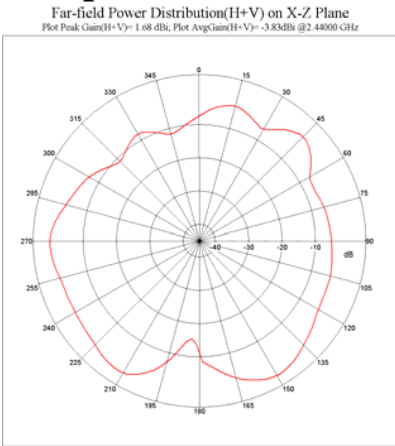
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

