

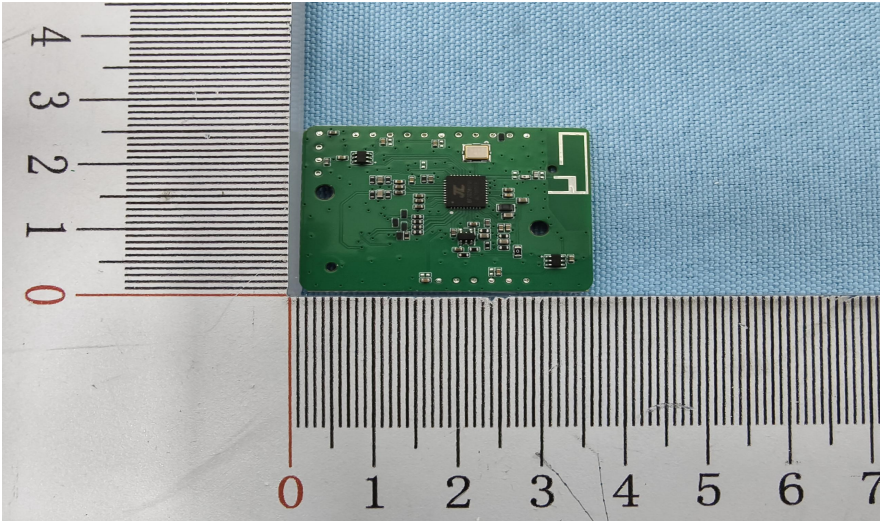
Product specification

Quick Reference Date

|                            |                                    |  |
|----------------------------|------------------------------------|--|
|                            | Antenna module on the system board |  |
| Frequenc Range             | 2400 ~ 2500GHz                     |  |
| 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)            | 60.2 %                             |  |
| Gain (dBi)                 | 1.9 (Peak Gain XZ-plane)           |  |
| 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          | 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

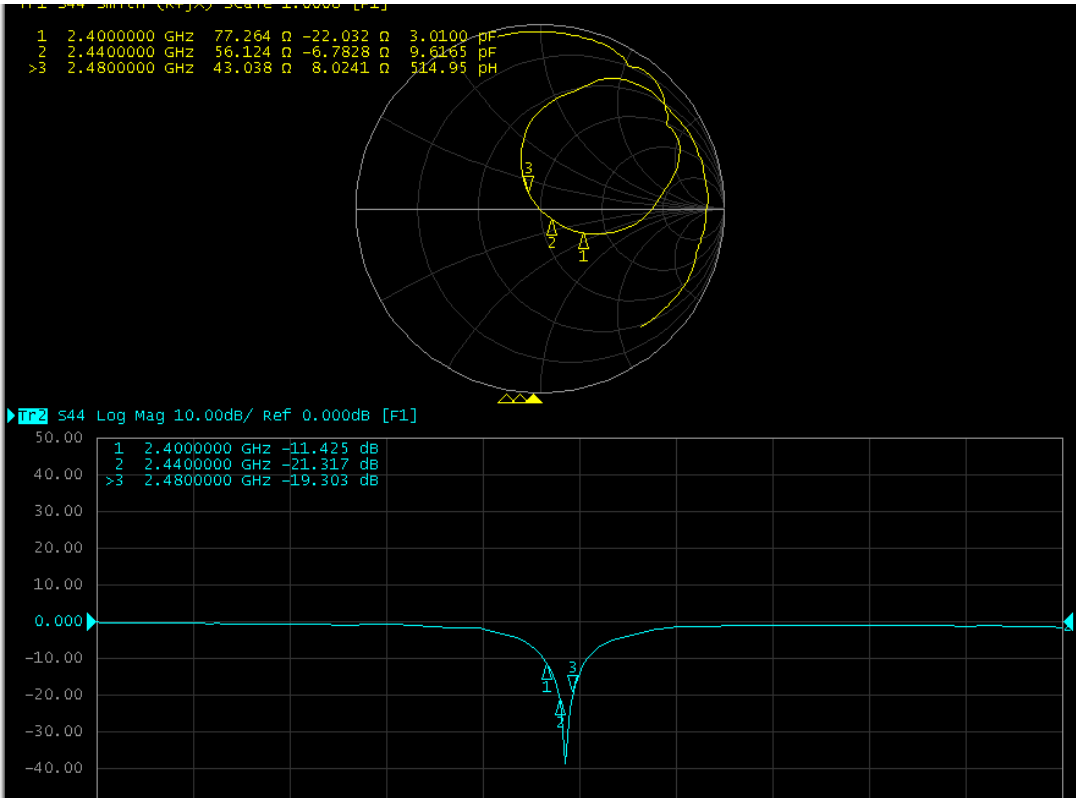


Antenna Gain

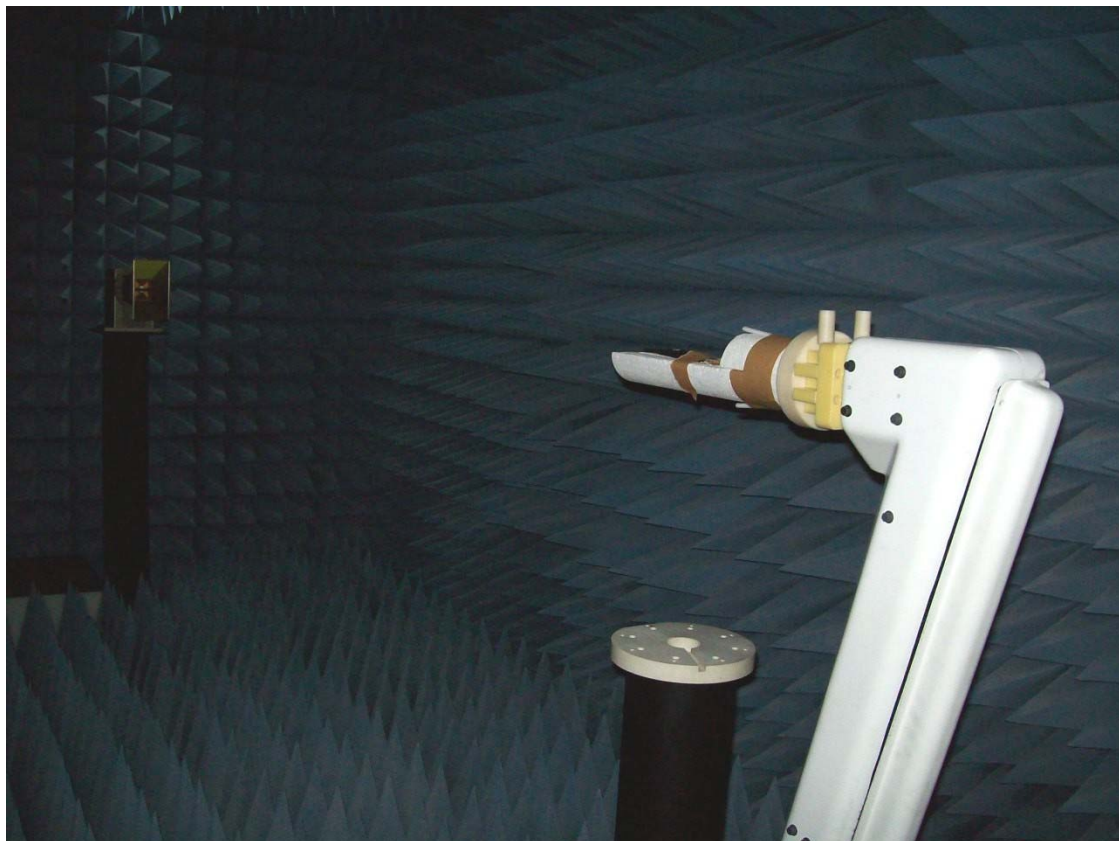
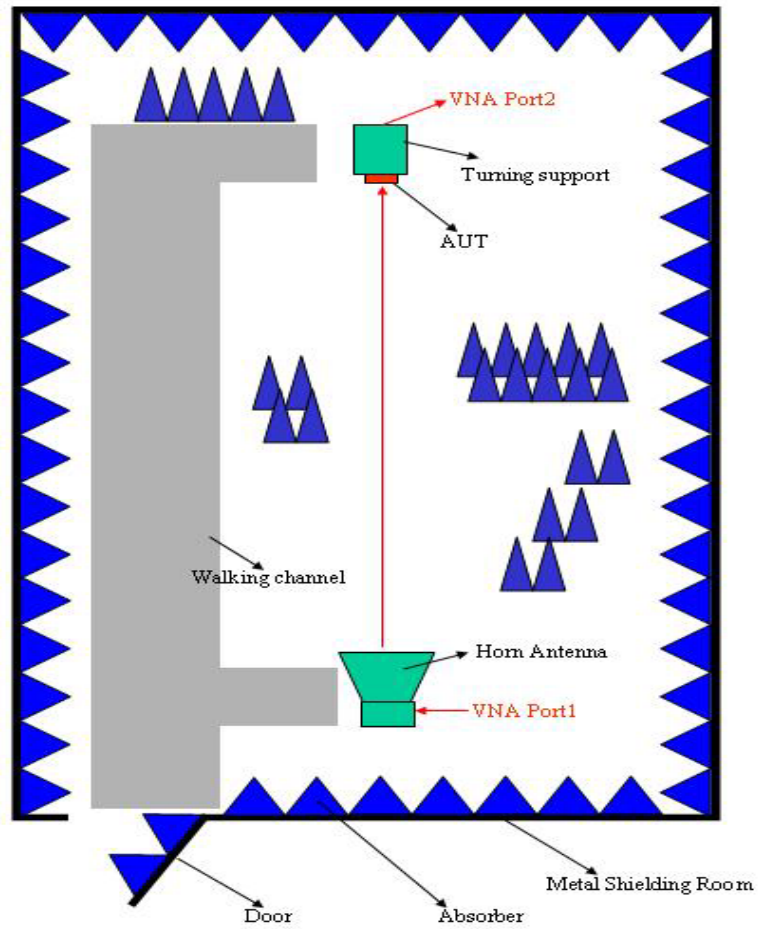
Gain Table

| Frequency(MHz) | 2402MHz |      | 2440MHz |      | 2480MHz |      | Efficiency |
|----------------|---------|------|---------|------|---------|------|------------|
|                | Peak    | Avg. | Peak    | Avg. | Peak    | Avg. |            |
| Gain(dBi)      | 1.2     | -0.5 | 1.9     | -3.6 | 1.1     | -3.0 | 60.2 %     |

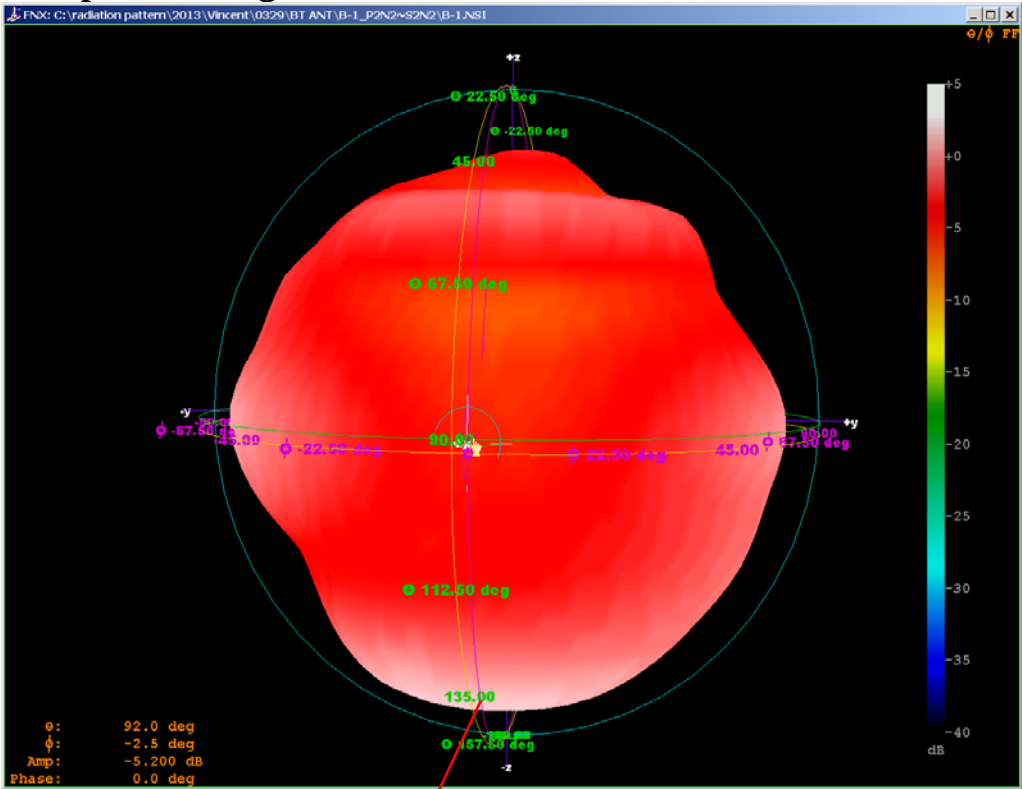
Return Loss



## The Environment of Antenna Radiation Pattern



3D radiation pattern diagram-2440MHz,



1.9dB  
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