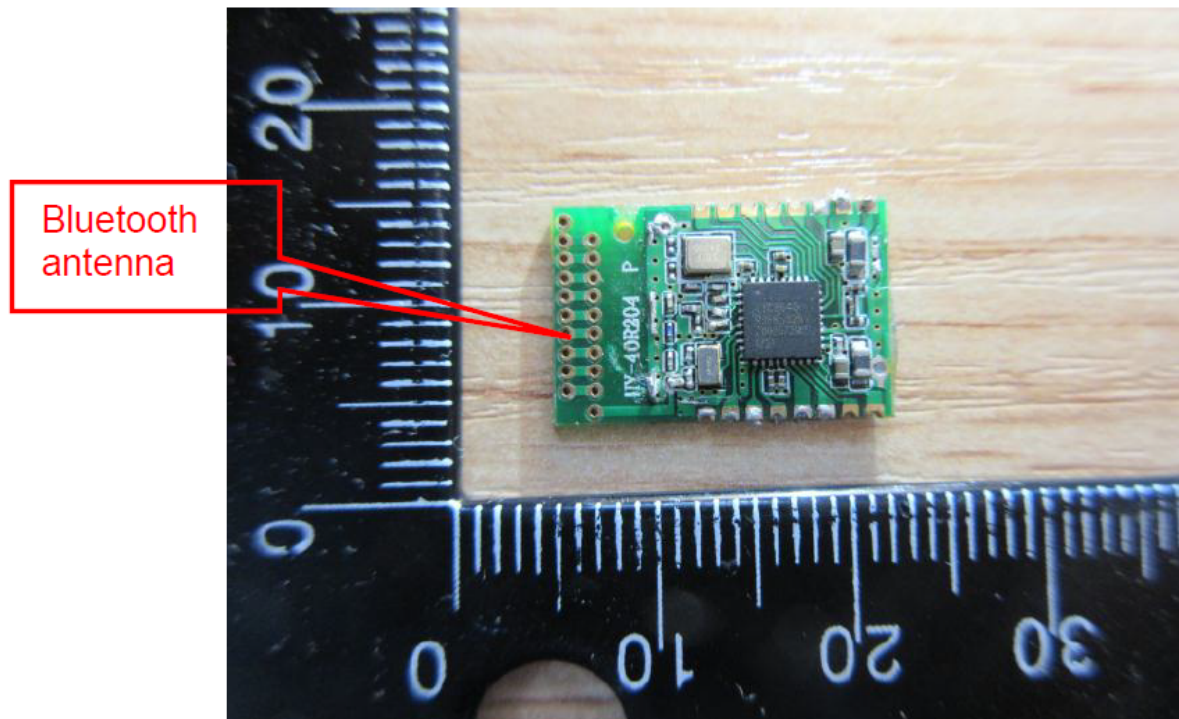


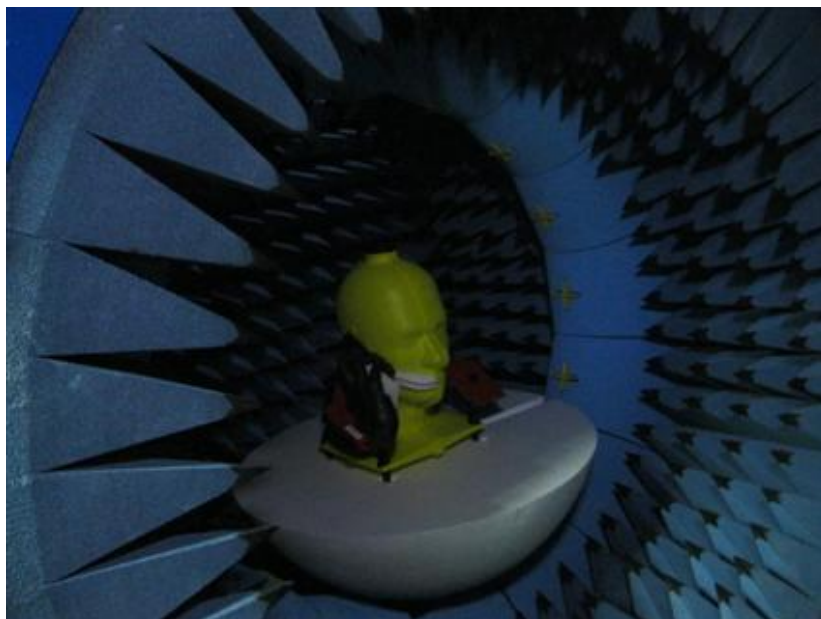
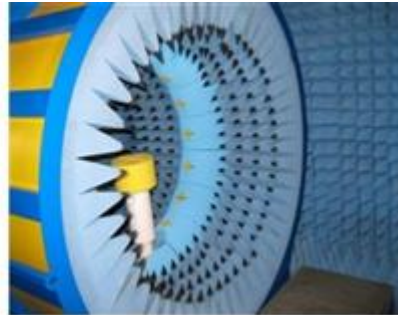
# Antenna Test Report

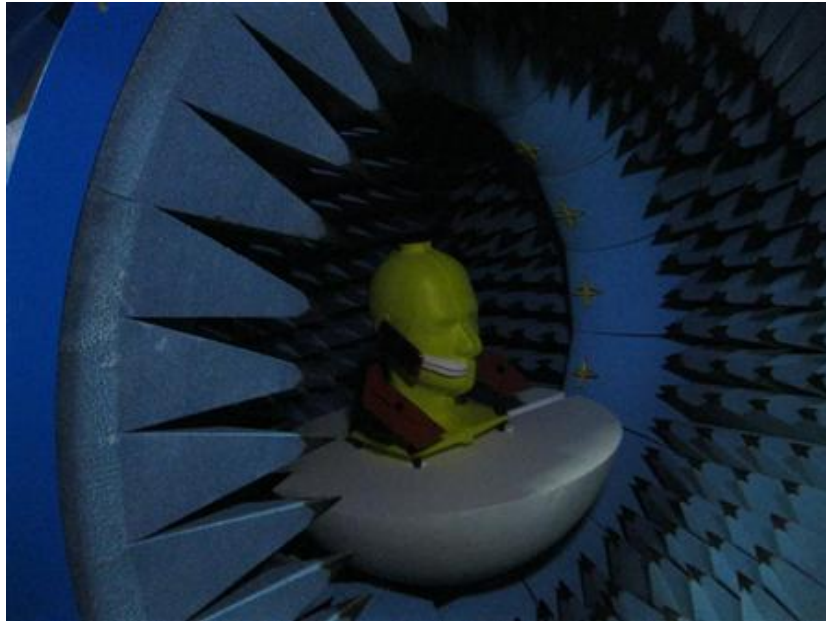
一. TEST INSTRUMENTATION

|                              |                    |
|------------------------------|--------------------|
| CHAMBER                      | SATIMO Chamber     |
| Wireless Networking Test Set | Agilent 8960 5515C |
| NETWORK ANALYZER             | Agilent 8753D      |
| TEMPERATURE                  | 20±2℃              |
| HUMIDITY                     | 50±20%rh           |

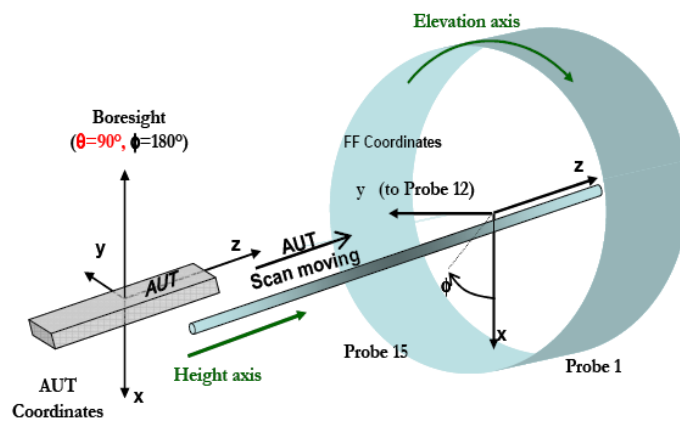


Antenna Picture

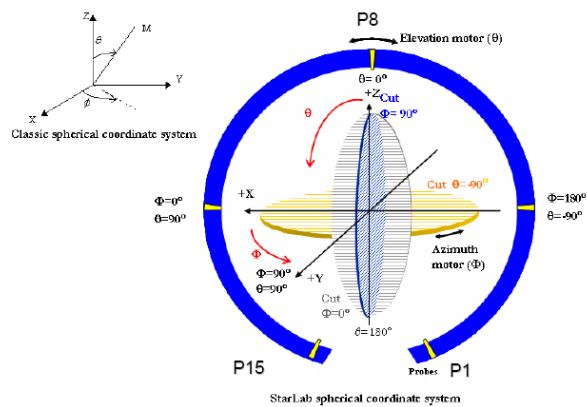




## Coordinate system – Cylindrical geometry



## Coordinate system – Spherical geometry



## 二. Definitions

VSWR: Voltage Standing Wave Rate

TRP: total radiated power

TIS: total isotropic sensitivity

|      |     |
|------|-----|
|      |     |
| VSWR | 1.1 |

**Standing wave ratio of main antenna:**



| Freq<br>(MHz) | Effi<br>(%) | Gain<br>(dBi) |
|---------------|-------------|---------------|
| 2400          | 30.91       | -1.2          |
| 2410          | 30.74       | -1.21         |
| 2420          | 31.4        | -1.18         |
| 2430          | 32.06       | -1.18         |
| 2440          | 32.66       | -1.24         |
| 2450          | 33.14       | -1.37         |
| 2460          | 33.31       | -1.48         |
| 2470          | 33.49       | -1.49         |
| 2480          | 33.81       | -1.08         |
| 2490          | 33.79       | -0.79         |
| 2500          | 33.38       | -0.96         |

Passive direction chart:

