

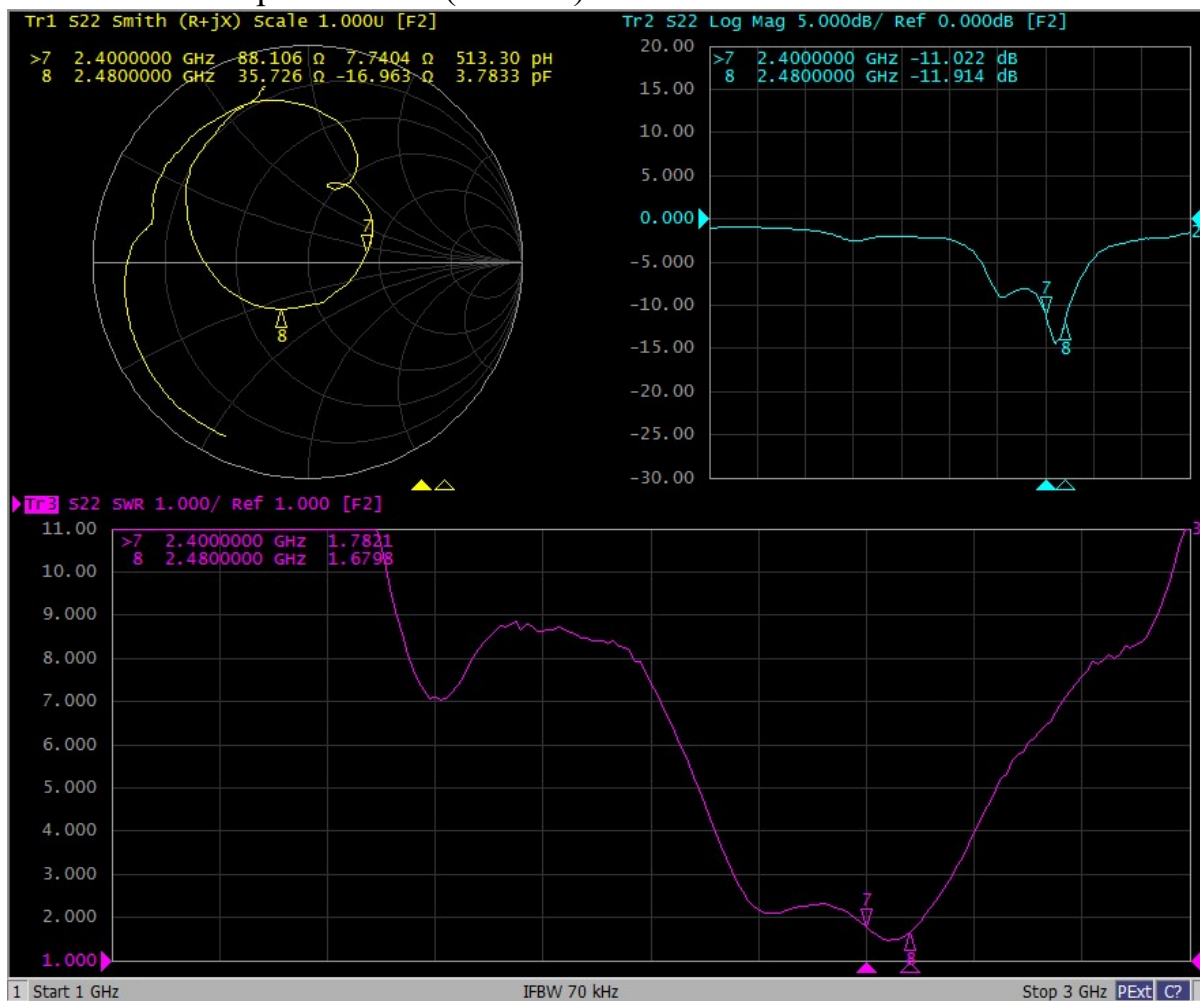


I: The report of passive data



Angilent E5071C

BT antenna S11 parameter: (Left ear)

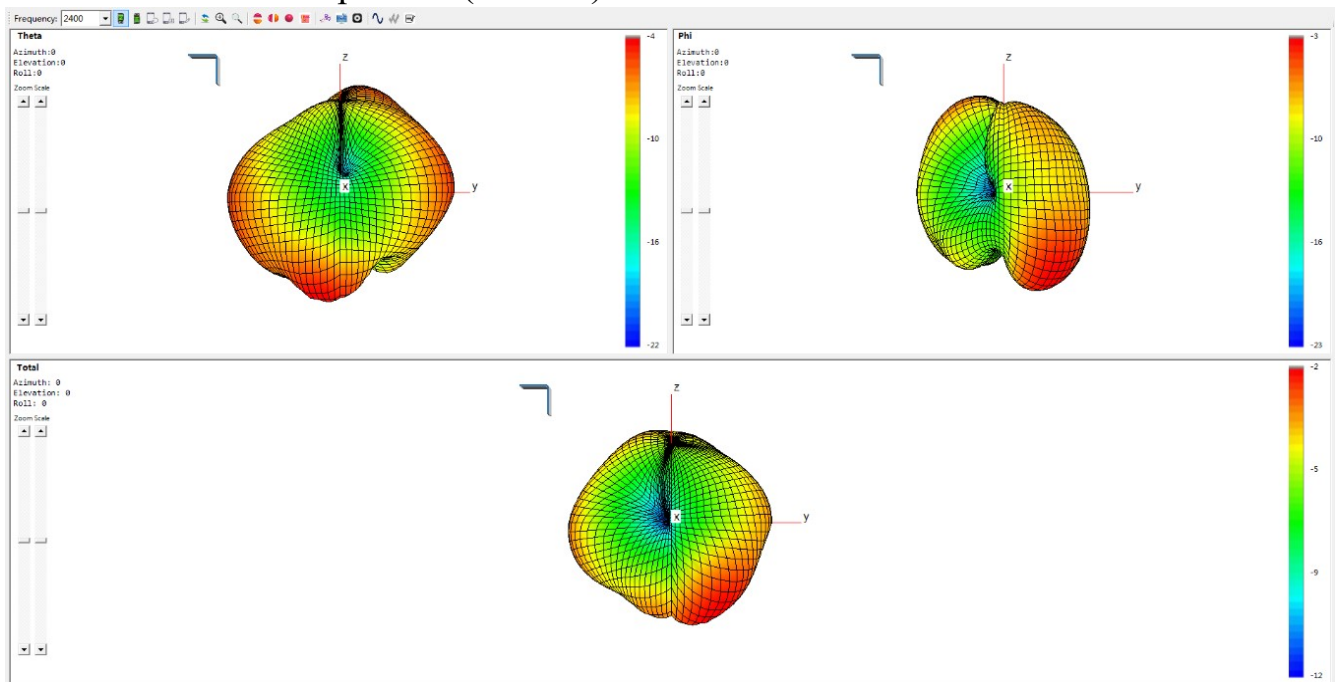




Efficiency: (Left ear)

| BT                 |                   |                     |               |
|--------------------|-------------------|---------------------|---------------|
| Frequency<br>(MHz) | Efficiency<br>(%) | Efficiency<br>(dB ) | Gain<br>(dBi) |
| 2400               | 26.5              | -5.8                | -2.8          |
| 2410               | 27.9              | -5.6                | -2.6          |
| 2420               | 28.6              | -5.4                | -2.6          |
| 2430               | 27.8              | -5.6                | -2.7          |
| 2440               | 27.0              | -5.7                | -2.9          |
| 2450               | 28.0              | -5.5                | -2.8          |
| 2460               | 26.8              | -5.7                | -2.9          |
| 2470               | 27.4              | -5.6                | -2.8          |
| 2480               | 27.9              | -5.5                | -2.8          |
| Average value      | 27.5              | -5.6                | -2.8          |

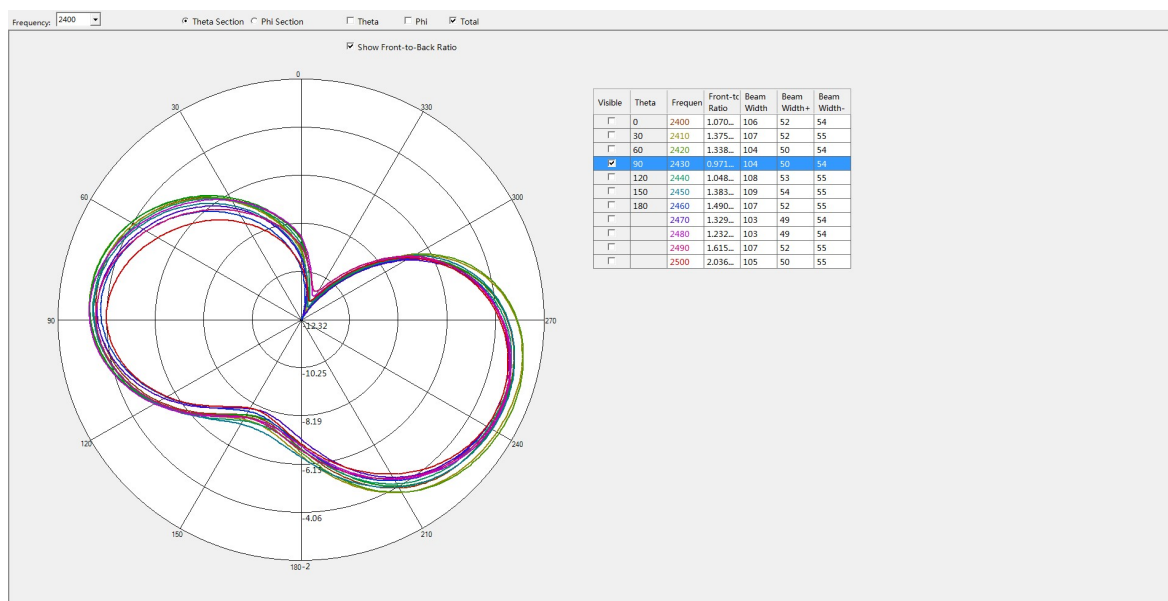
3D Antenna radiation pattern: (Left ear) unit: dBi



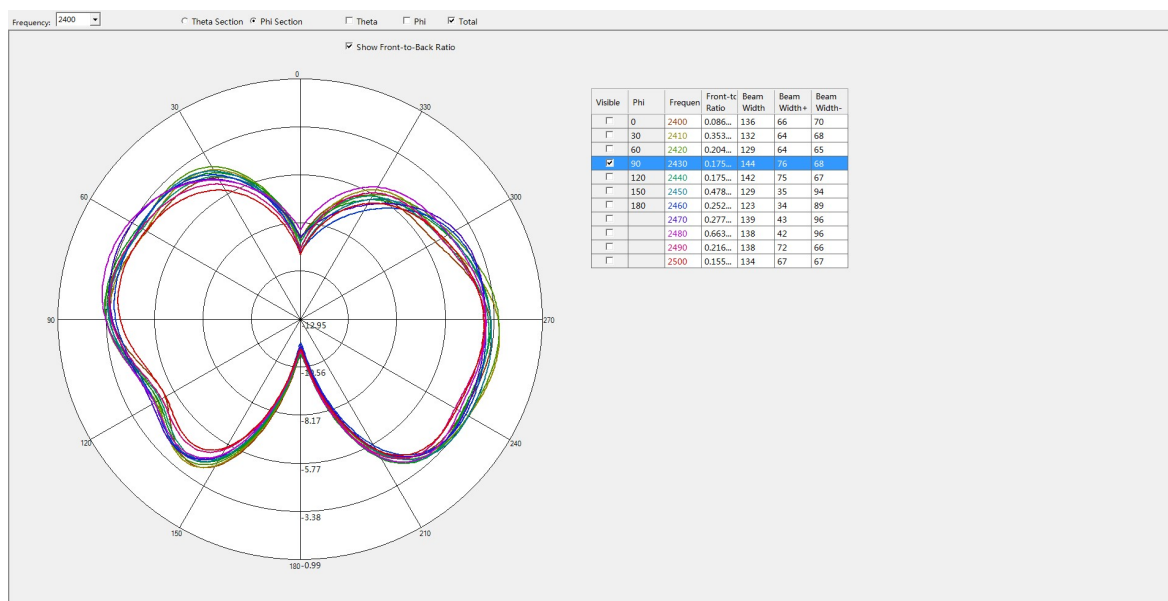


## Antenna radiation pattern: (Left ear)

Theta=90.00deg unit: dBi

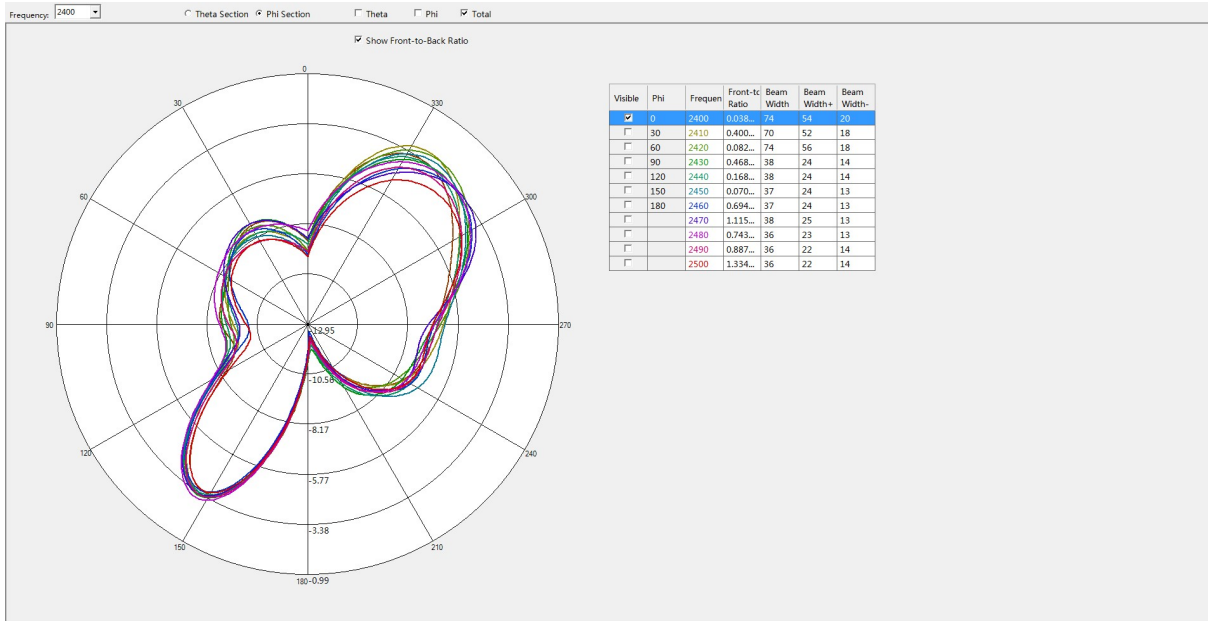


Phi=90.00deg unit: dBi

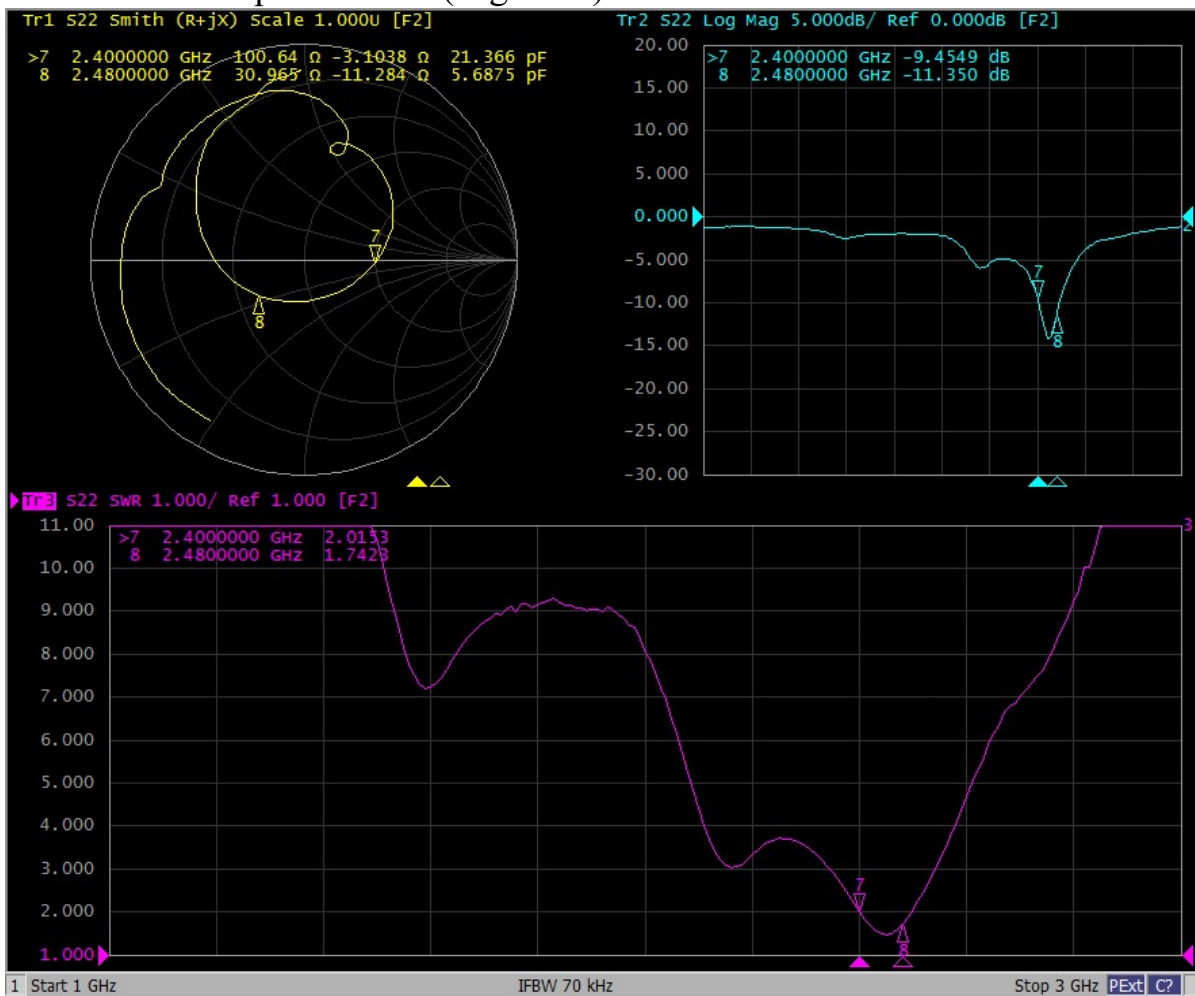




Phi=0.00deg unit: dBi



BT antenna S11 parameter: (Right ear)

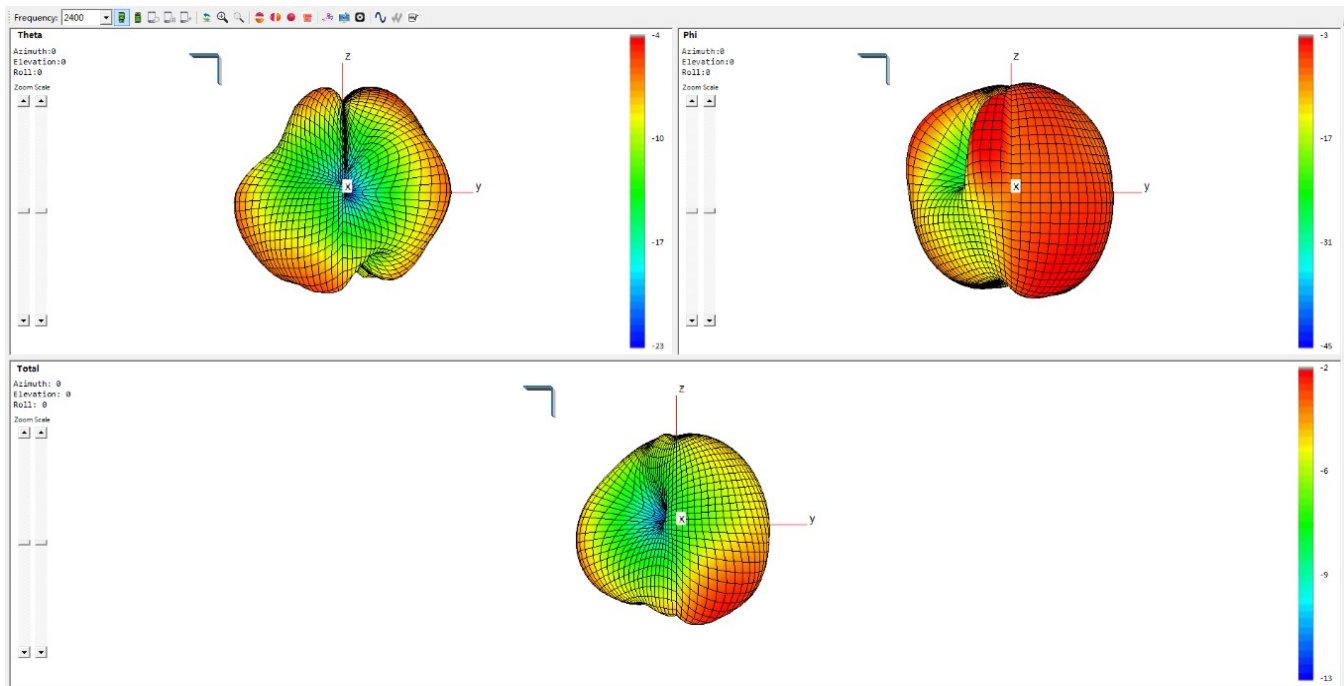




Efficiency: (Right ear)

| BT                 |                   |                     |               |
|--------------------|-------------------|---------------------|---------------|
| Frequency<br>(MHz) | Efficiency<br>(%) | Efficiency<br>(dB ) | Gain<br>(dBi) |
| 2400               | 26.2              | -5.8                | -2.9          |
| 2410               | 27.6              | -5.6                | -2.7          |
| 2420               | 28.3              | -5.5                | -2.7          |
| 2430               | 27.6              | -5.6                | -2.8          |
| 2440               | 26.7              | -5.7                | -2.8          |
| 2450               | 27.2              | -5.6                | -2.7          |
| 2460               | 25.8              | -5.9                | -3.0          |
| 2470               | 26.3              | -5.8                | -3.0          |
| 2480               | 26.3              | -5.8                | -3.1          |
| Average value      | 26.9              | -5.7                | -2.9          |

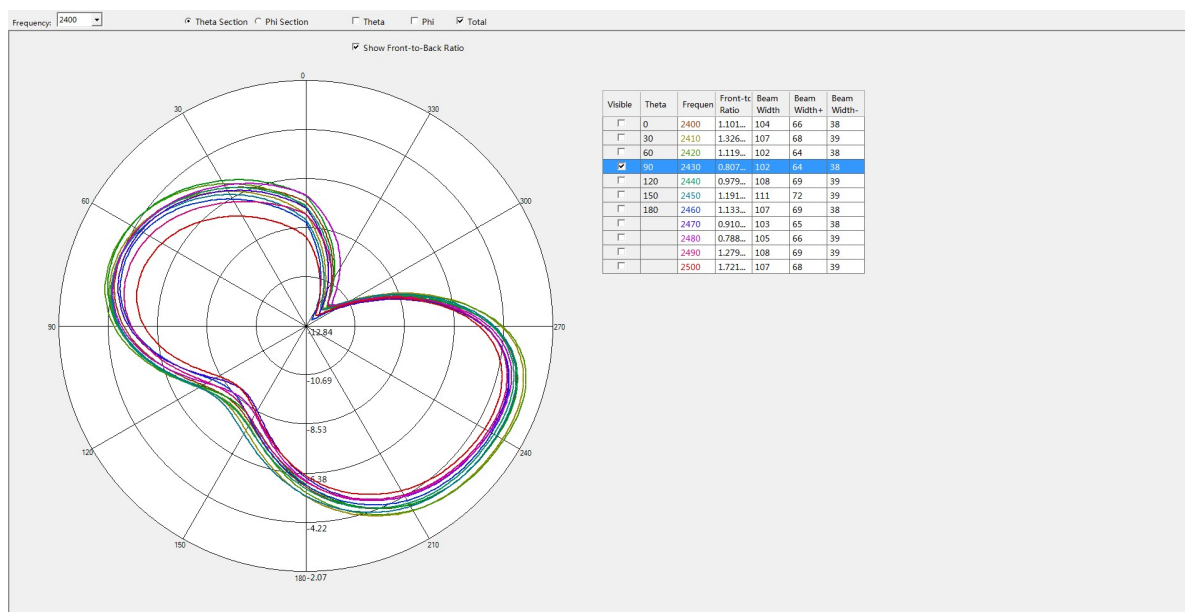
3D Antenna radiation pattern: (Right ear) unit: dBi



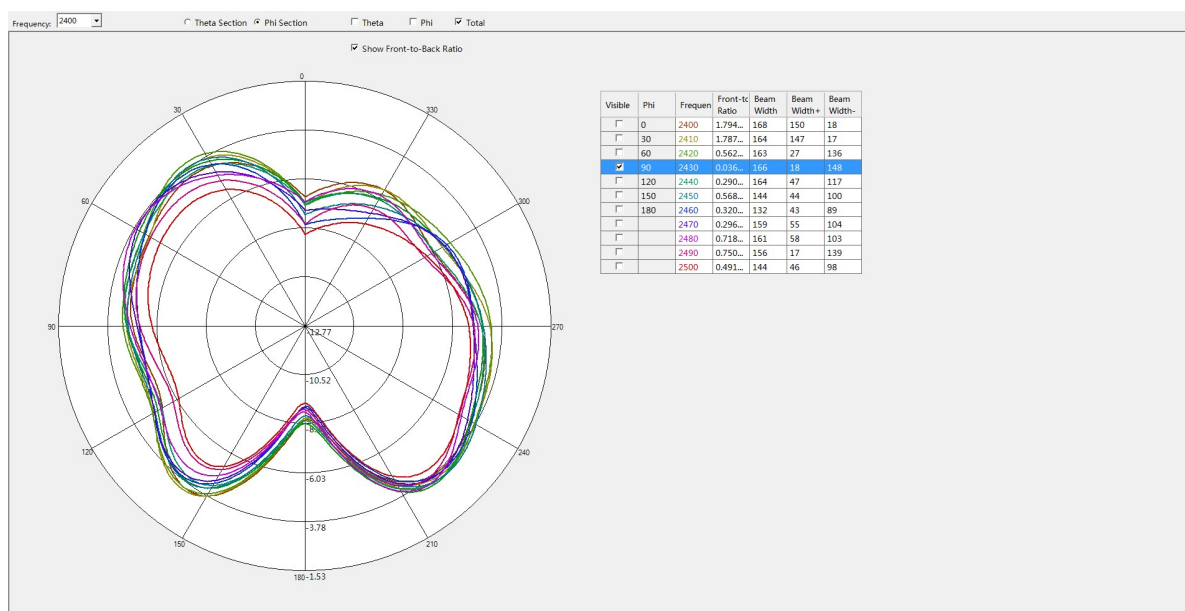


## Antenna radiation pattern: (Right ear)

Theta=90.00deg unit: dBi

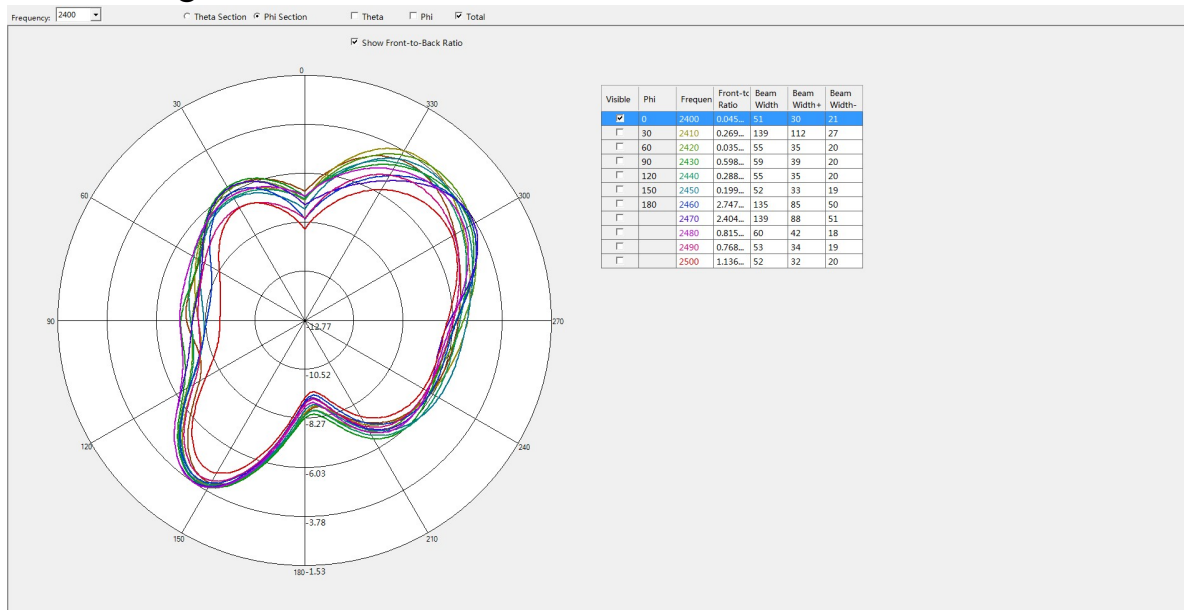


Phi=90.00deg unit: dBi





Phi=0.00deg unit: dBi



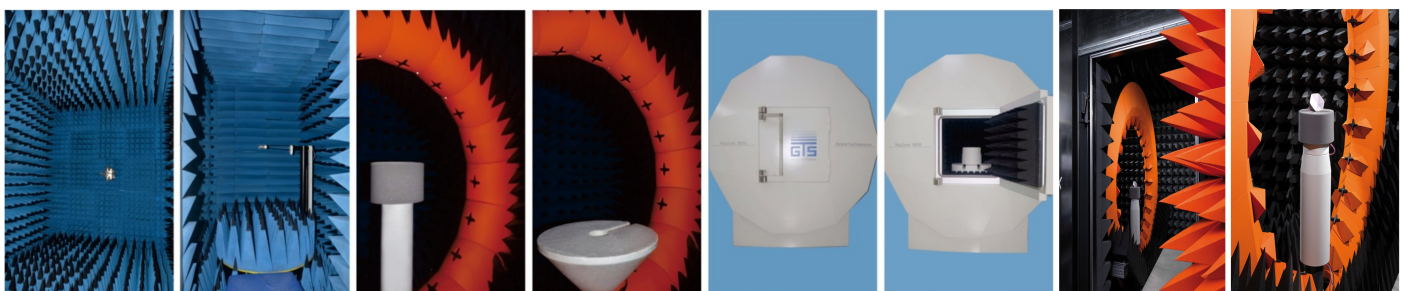
## II: 3D Active test report of antenna

F4:9D:8A:26:00:4D

|    |         | 自由  |       | 头模   |       |
|----|---------|-----|-------|------|-------|
| D2 | Channel | TRP | TIS   | TRP  | TIS   |
| L  | CH 0    | 2.5 | -88.5 | -1.9 | -84.3 |
|    | CH 39   | 3.2 | -89.9 | -2.0 | -84.9 |
|    | CH 78   | 3.5 | -90.4 | -2.3 | -84.9 |
|    | AVG     | 3.1 | -89.6 | -2.1 | -84.7 |

F4:9D:8A:25:FE:CA

|    |         | 自由  |       | 头模   |       |
|----|---------|-----|-------|------|-------|
| D2 | Channel | TRP | TIS   | TRP  | TIS   |
| R  | CH 0    | 2.7 | -87.1 | -1.8 | -84.2 |
|    | CH 39   | 3.6 | -89.5 | -2.2 | -84.8 |
|    | CH 78   | 3.9 | -89.8 | -2.7 | -84.7 |
|    | AVG     | 3.4 | -88.8 | -2.2 | -84.6 |



OTA Standard Chamber



IV: Structure file:

