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## Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: PAD

Model Name: 23043RP34G

Test date: 2023/1/5



## 1. Antenna information

| Antenna | ModelName | Antenna Pattern | Antenna Type            | Manufacturer                  | Test party of Antenna gain  |
|---------|-----------|-----------------|-------------------------|-------------------------------|---|
| ANT0    | AL6M13    | FPC             | PIFA Antenna            | LUXSHAREICT& innowave         | Xiaomi Campus, Building F, Xuhui Vanke Center, Xuhui District, Shanghai |
| ANT1    | AL6M13    | /               | Resonant cavity antenna | LUXSHAREICT& innowave         | Xiaomi Campus, Building F, Xuhui Vanke Center, Xuhui District, Shanghai |
| ANT2    | AL6M13    | /               | Resonant cavity antenna | Xi An BYD Electronic Co.,Ltd. | Xiaomi Campus, Building F, Xuhui Vanke Center, Xuhui District, Shanghai |

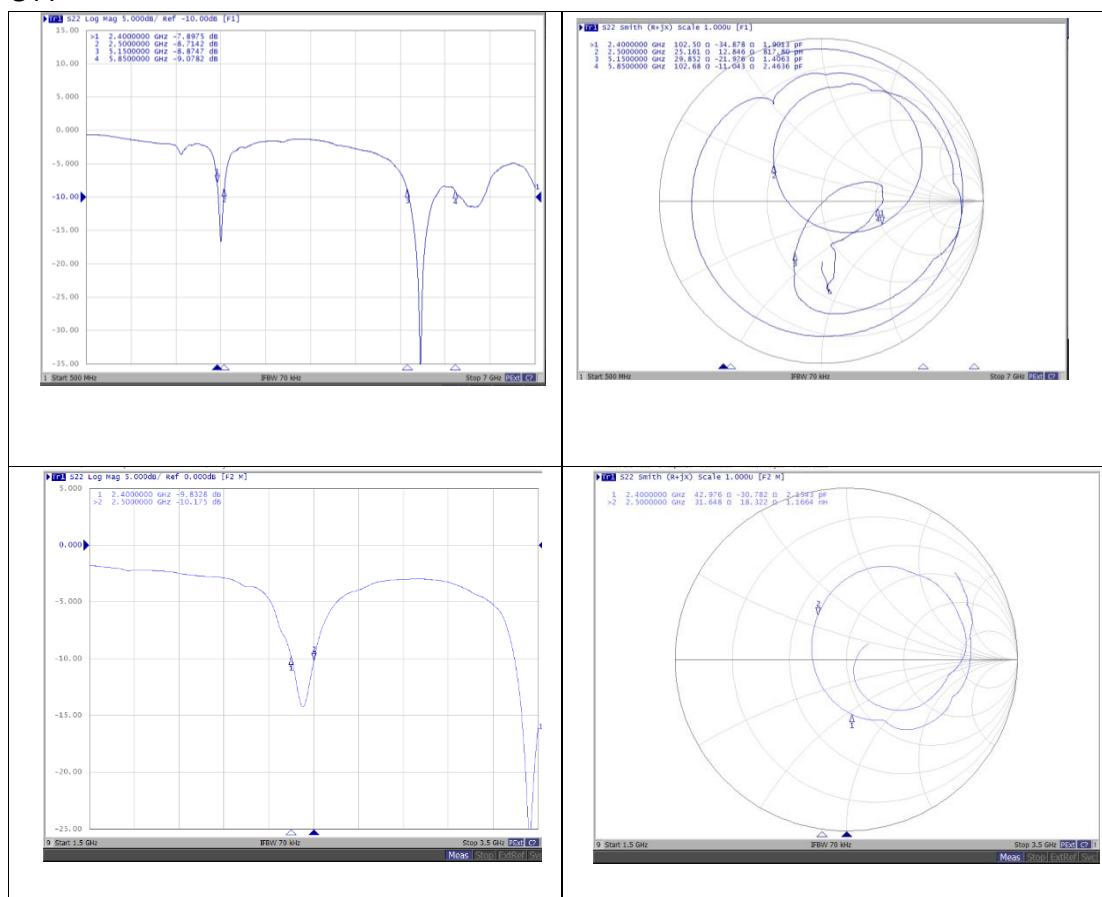


## 2. Test data

|                  | Band for Antenna 0&1&2 | Effi.(dB) | peak gain(dBi) |
|------------------|------------------------|-----------|----------------|
| wifi2.4G<br>MIMO | 2412MHz                | -6.46     | -3.88          |
|                  | 2437MHz                | -6.65     | -4.23          |
|                  | 2462MHz                | -6.91     | -4.12          |
| wifi5G<br>MIMO   | 5.15~5.25 GHz          | -4.13     | -0.17          |
|                  | 5.25~5.35 GHz          | -4.1      | -0.3           |
|                  | 5.47~5.725 GHz         | -4.09     | -0.27          |
|                  | 5.725~5.85 GHz         | -3.71     | -0.37          |

### 2.4G MIMO ANT0 +ANT1

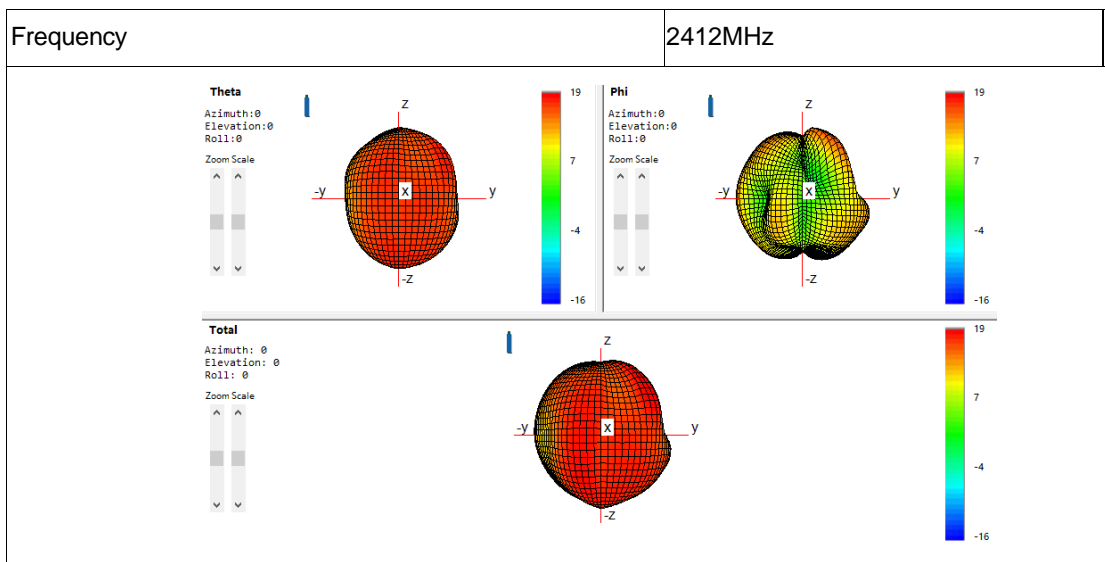
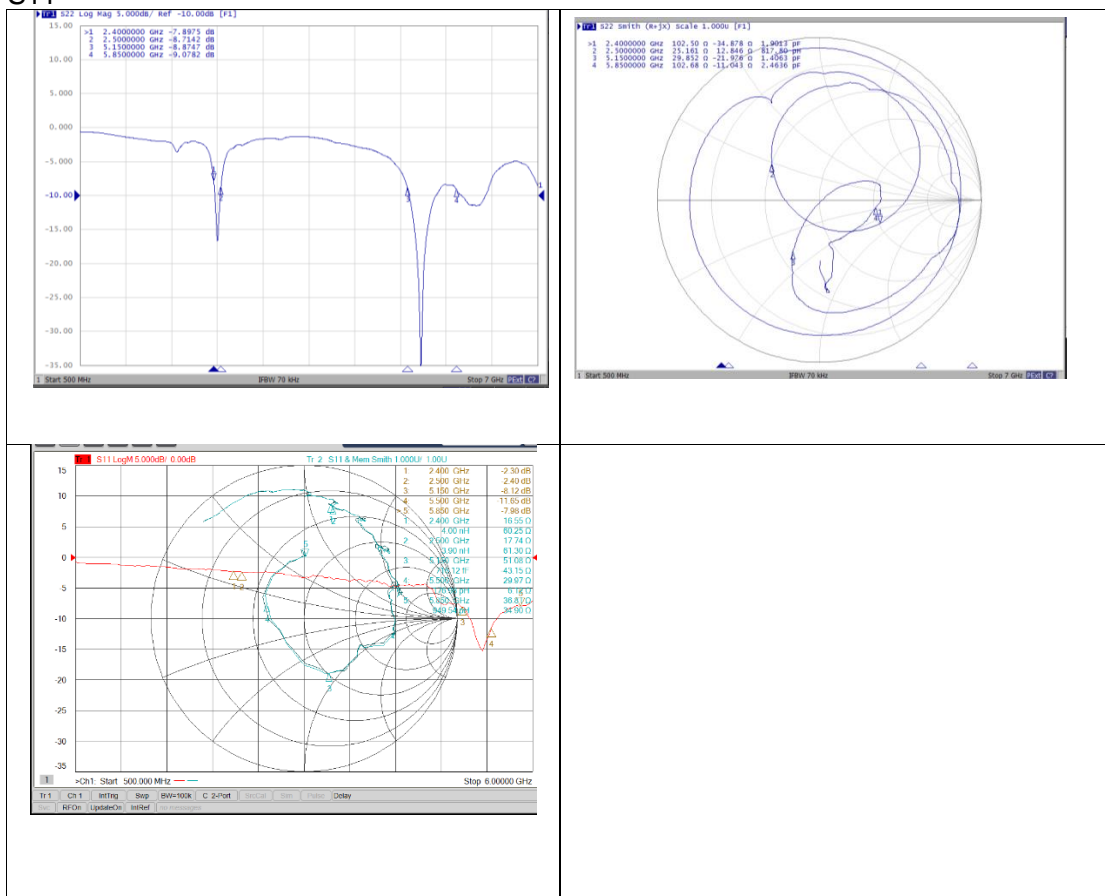
#### S11

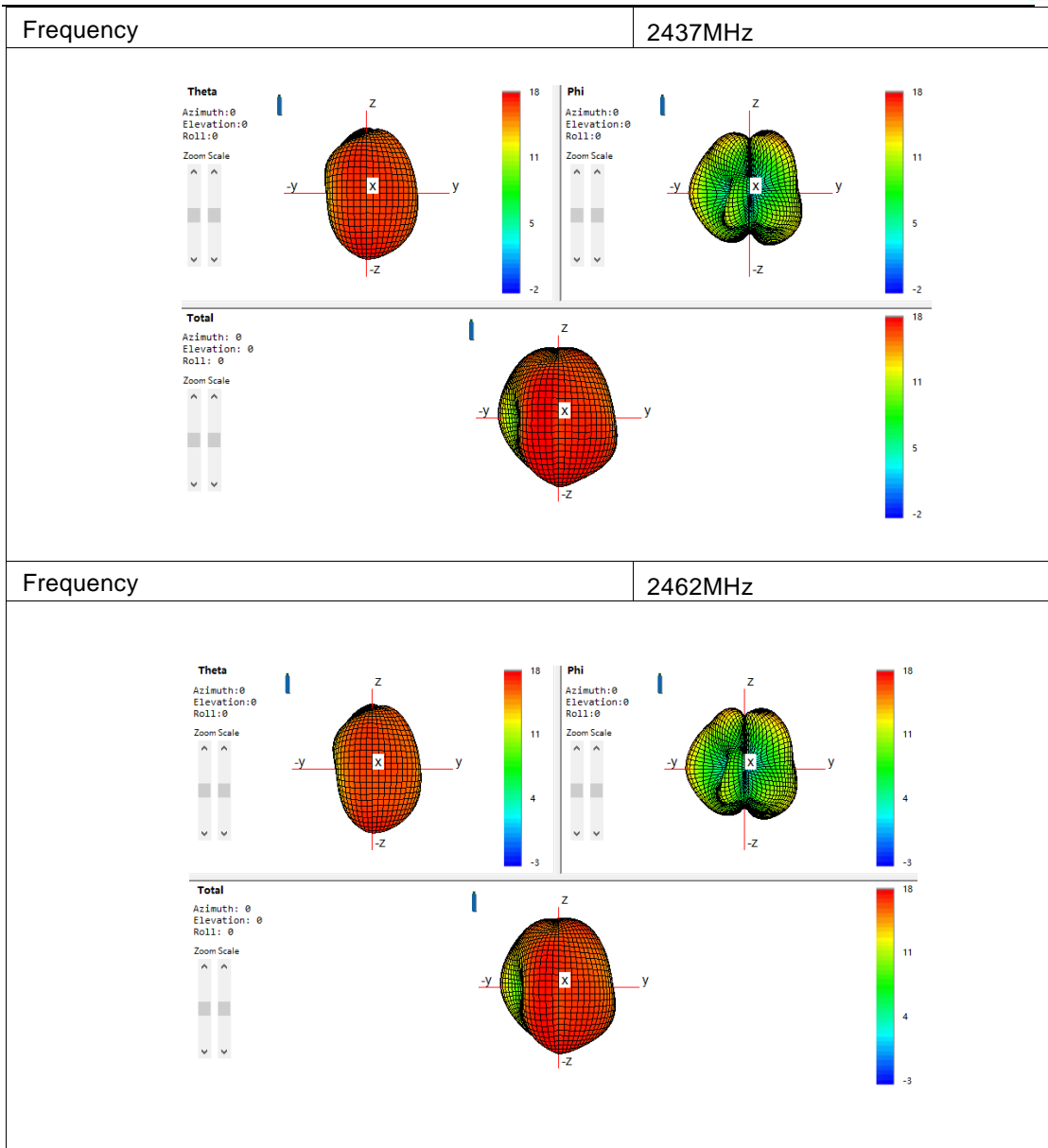


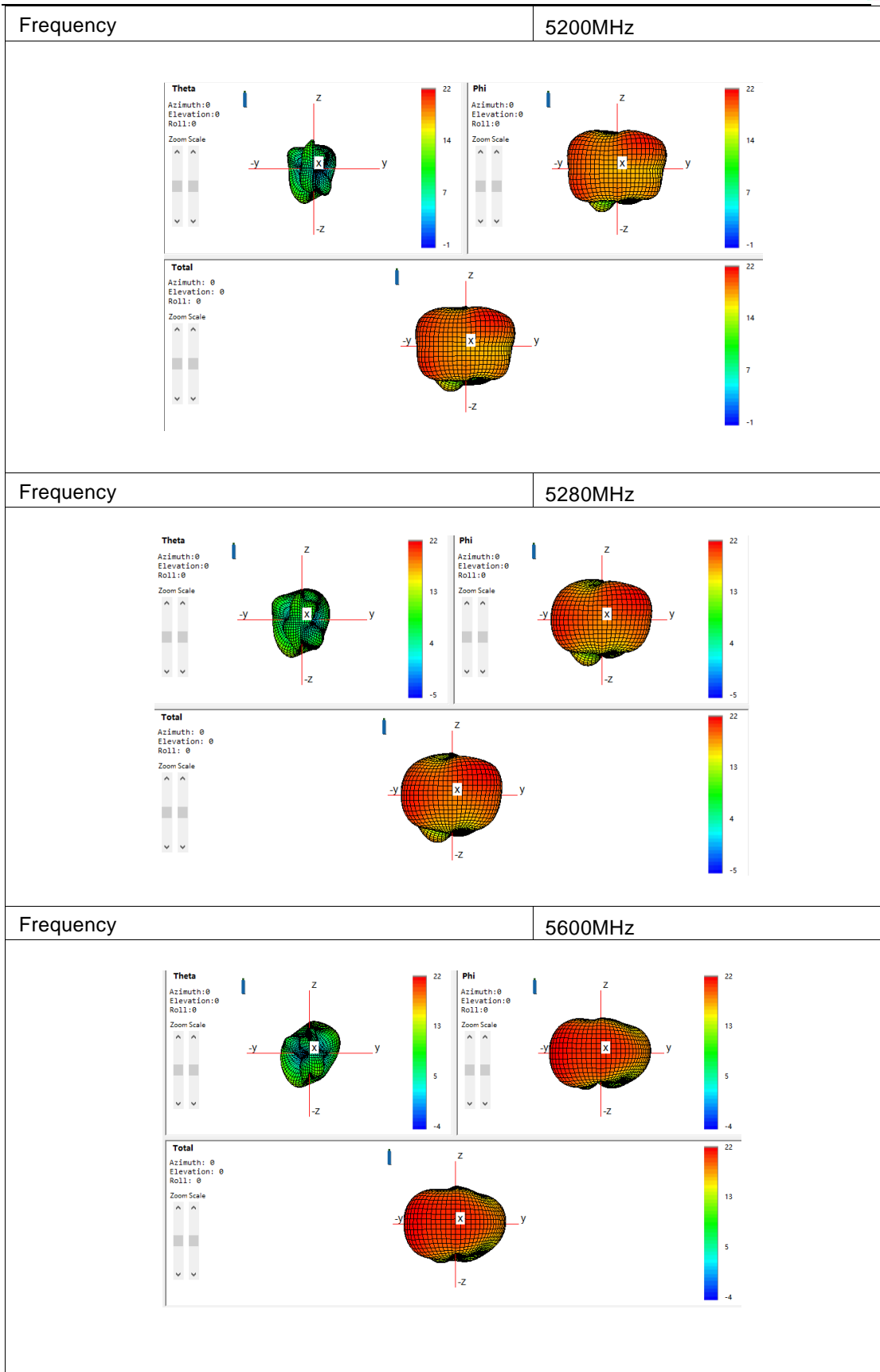


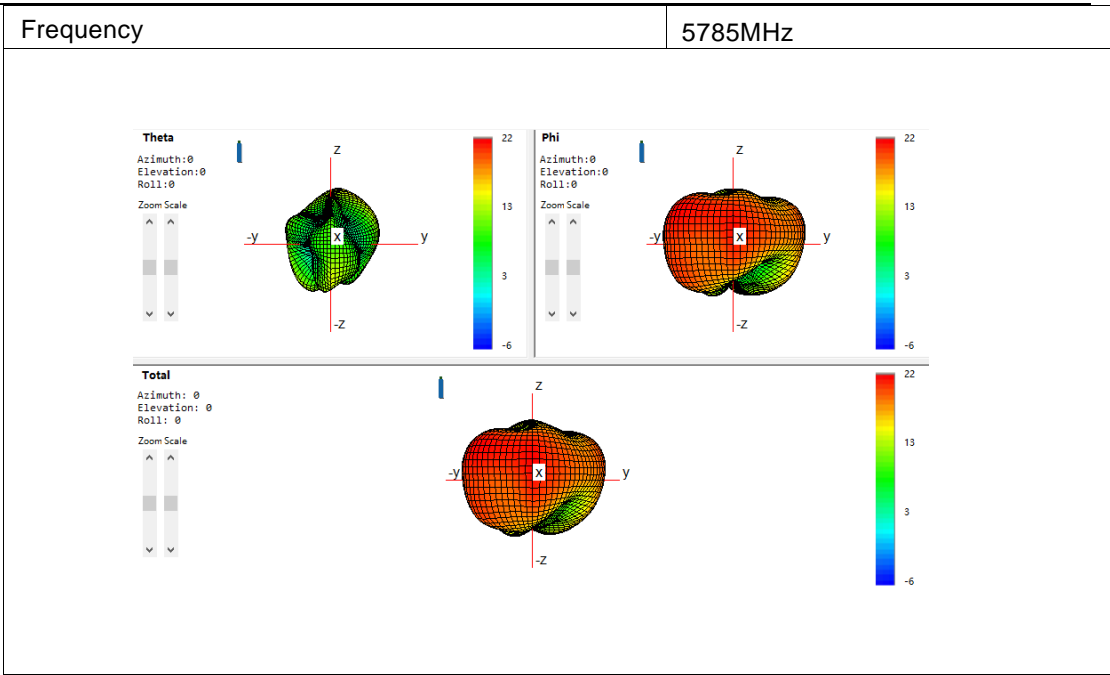
# 5G MIMO ANT0 +ANT2

S11







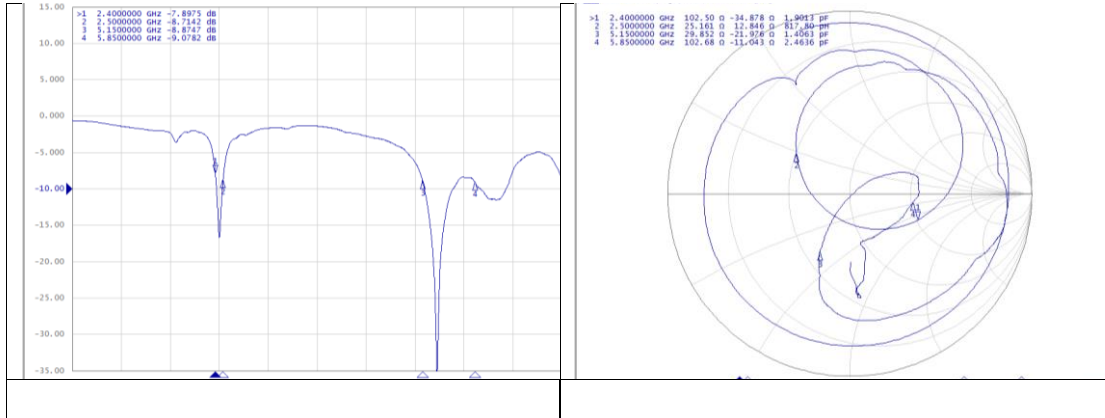




| Band for Antenna 0 |         | Effi.(dB) | peak gain(dBi) |
|--------------------|---------|-----------|----------------|
| BT                 | 2402MHz | -8.08     | -4.19          |
|                    | 2440MHz | -7.61     | -3.53          |
|                    | 2480MHz | -7.82     | -3.81          |

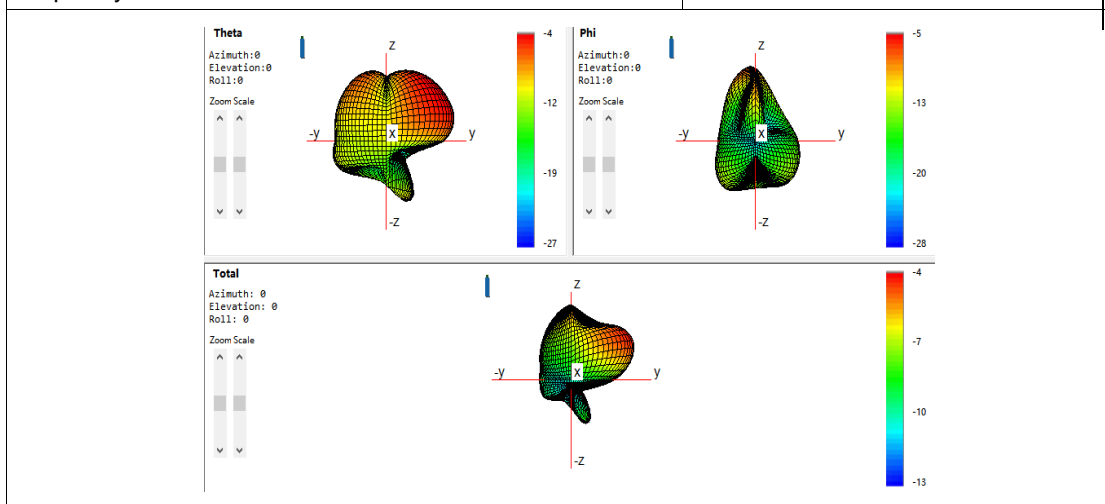
BT ANTO

S11

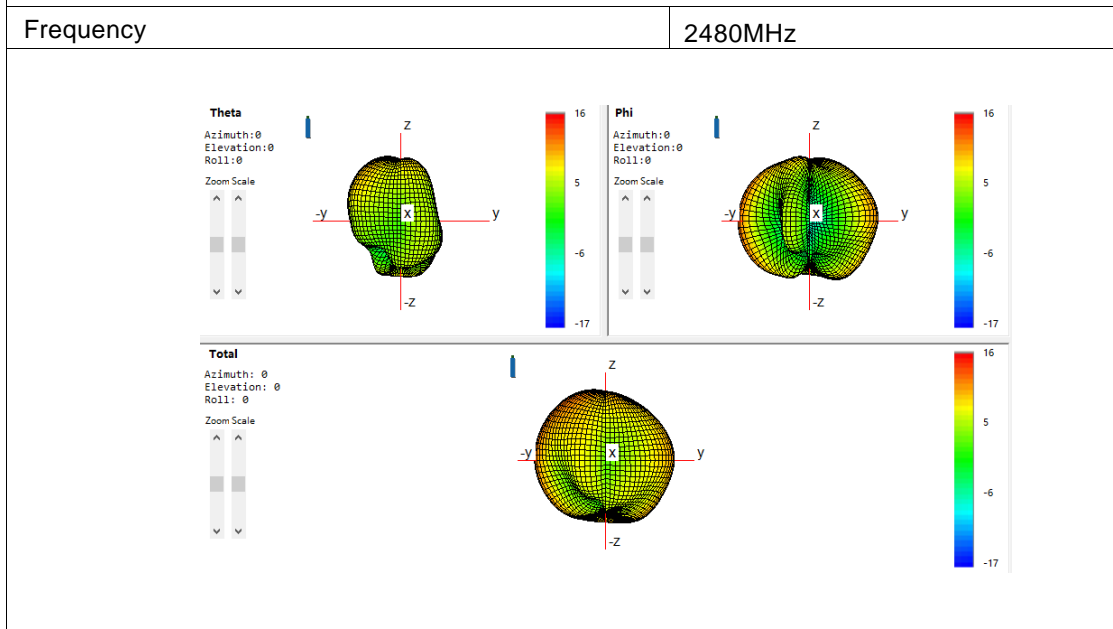
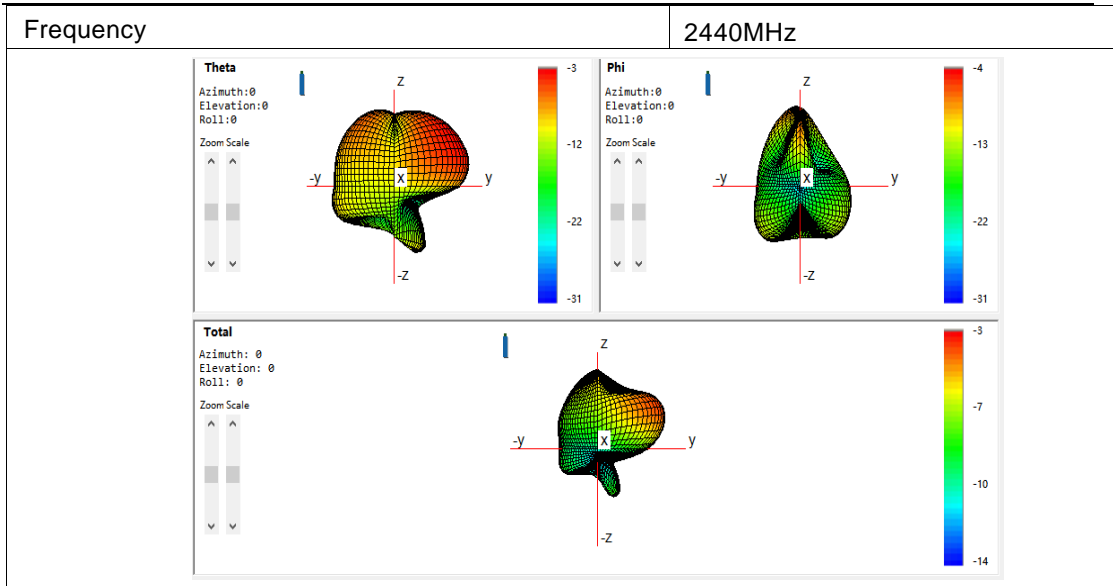


Frequency

2402MHz



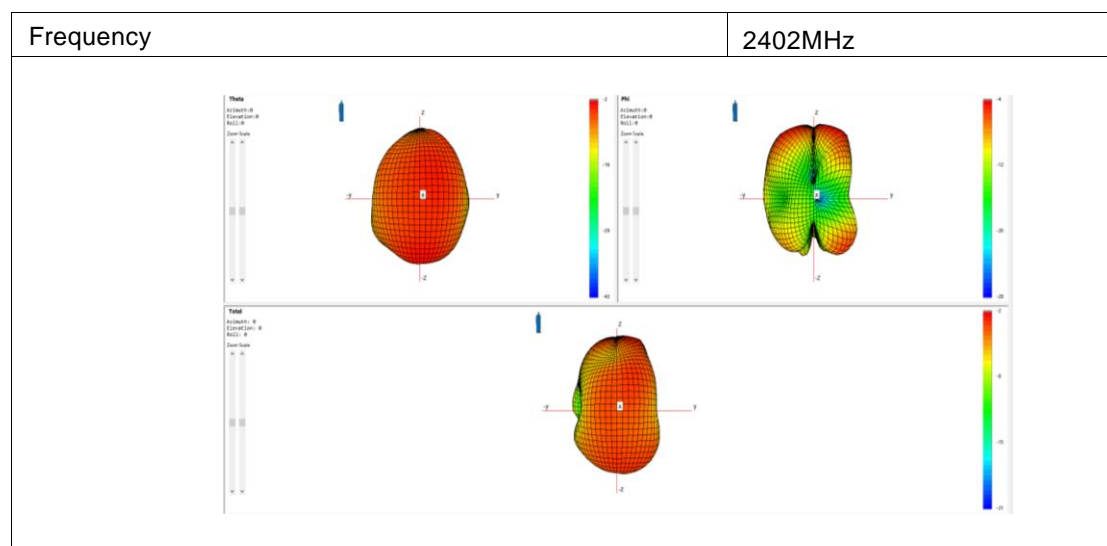
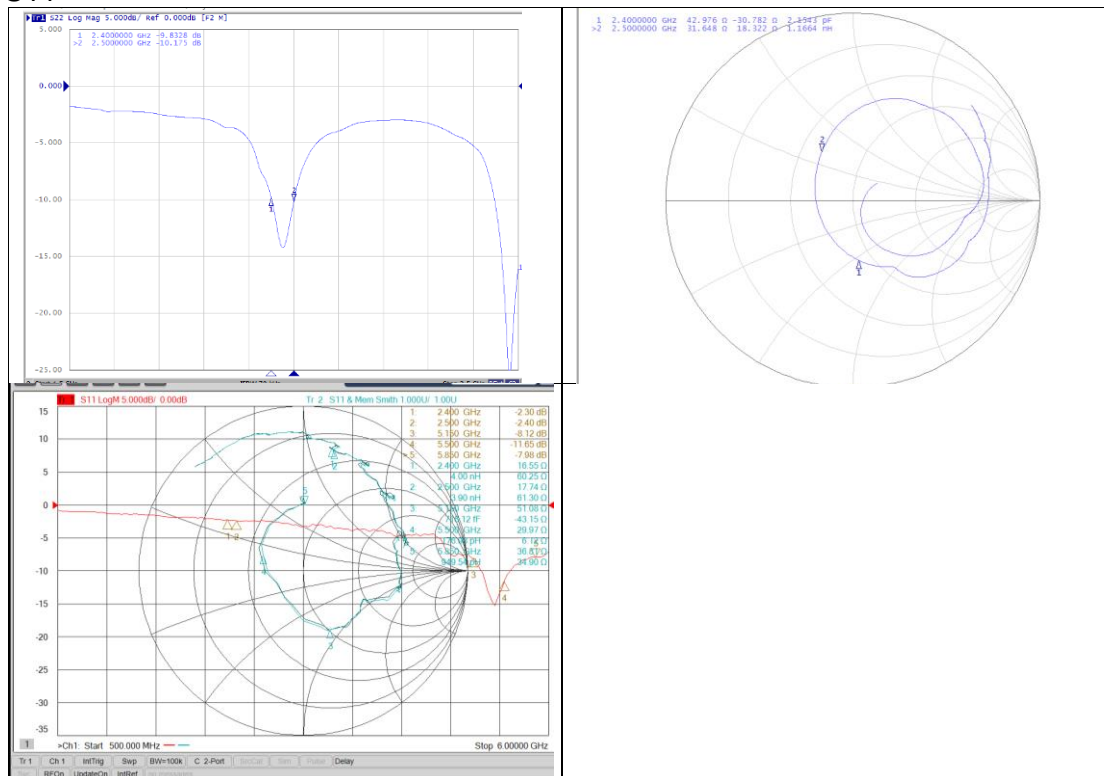






| Band for Antenna 1 |         | Effi.(dBi) | peak gain(dBi) |
|--------------------|---------|------------|----------------|
| BT                 | 2402MHz | -6.72      | -2.22          |
|                    | 2440MHz | -6.67      | -2.31          |
|                    | 2480MHz | -6.76      | -2.26          |

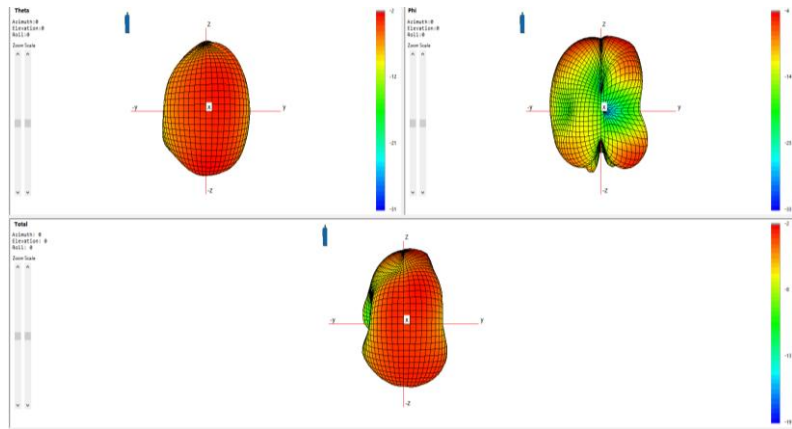
BT ANT1  
S11





Frequency

2440MHz



Frequency

2480MHz

