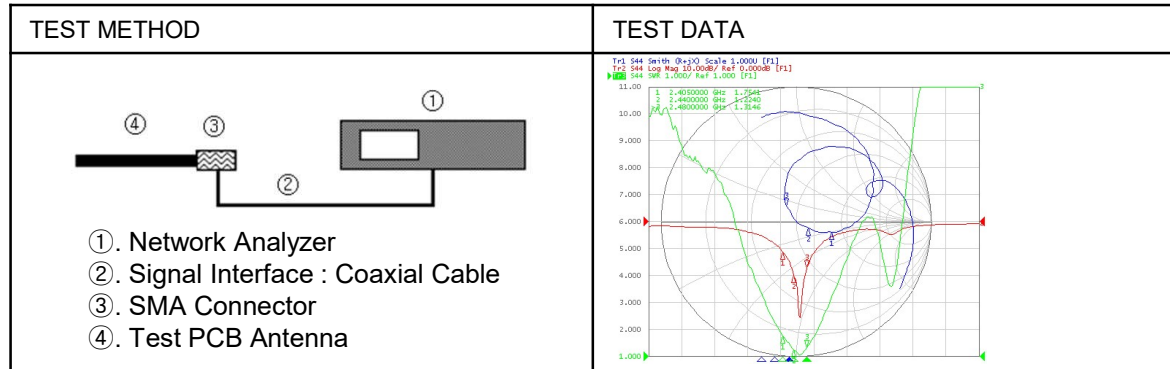


## 7.4. Antenna Performance

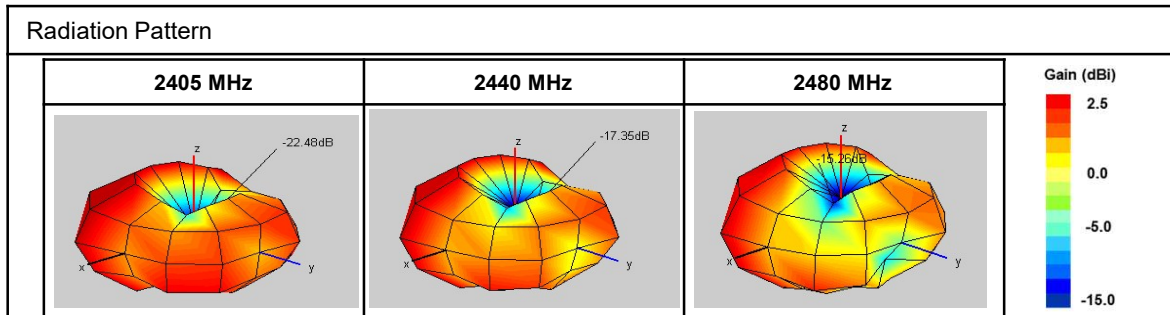
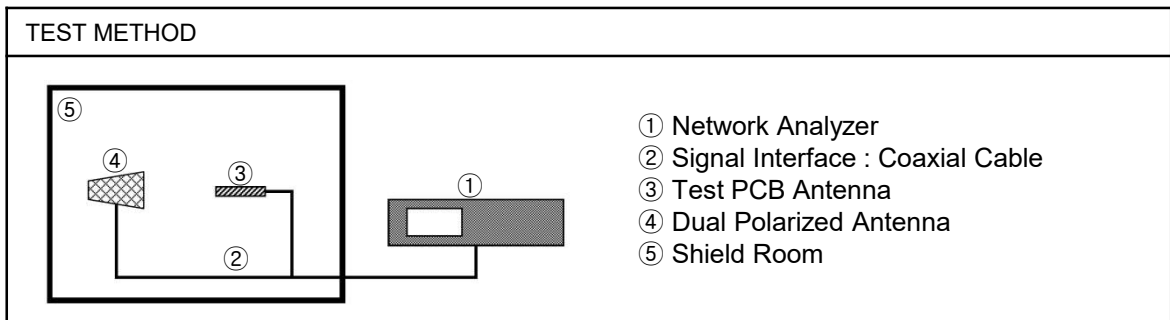
### 7.4.1 Antenna

The TWZT-T009D-1 uses PCB pattern antenna for 2.4GHz frequency band.

#### VSWR



#### Radiation Pattern and Gain



| Efficiency     |       |       |       |
|----------------|-------|-------|-------|
| Frequency(MHz) | 2405  | 2440  | 2480  |
| Efficiency(dB) | -2.11 | -1.5  | -2.17 |
| Efficiency(%)  | 61.50 | 70.72 | 60.68 |
| Peak Gain(dB)  | 1.8   | 2.53  | 1.94  |

#### **[Notice]**

\* This data is measured when TWZT-T009D-H is connected to the 4<sup>th</sup> Slot of Gen2 Gateway Board. Gen2 Gateway has 7 slots for diverse modules. The 4<sup>th</sup> Slot is the middle slot of whole 7 slots of it.