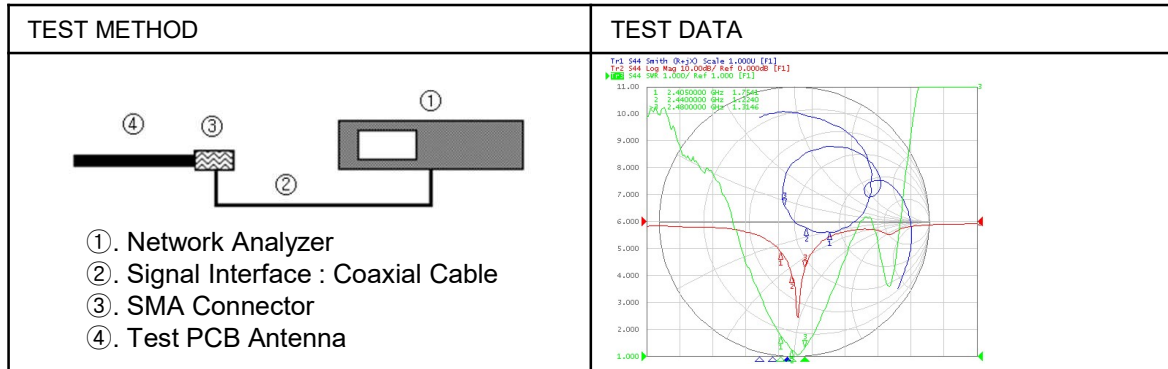


7.4. Antenna Performance

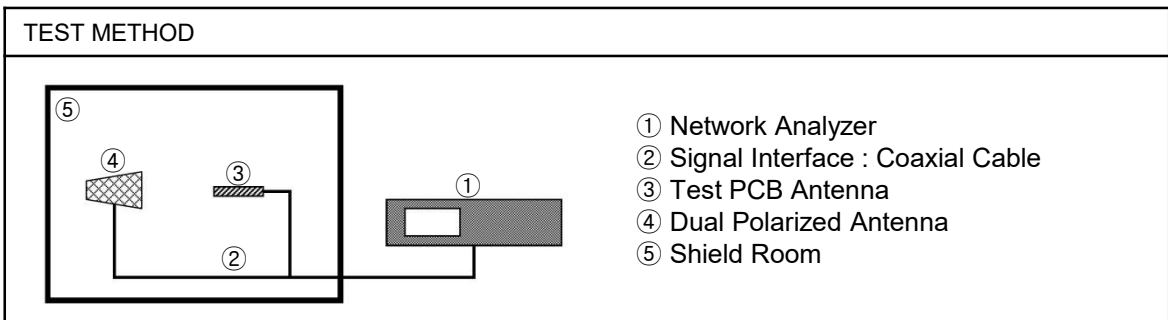
7.4.1 Antenna

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

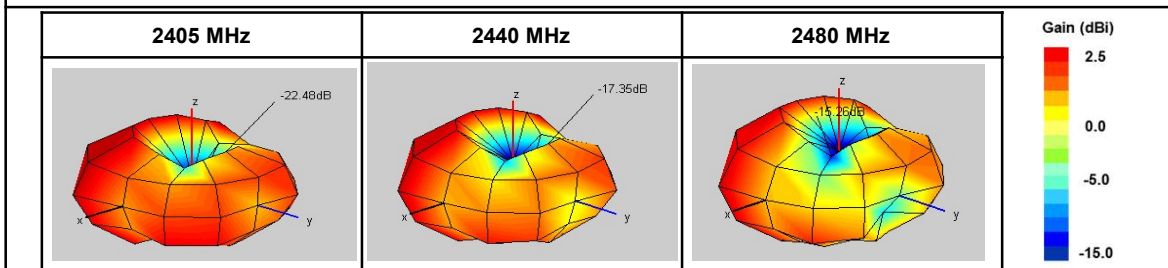
VSWR



Radiation Pattern and Gain



Radiation Pattern



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 4th Slot of Gen2 Gateway Board. Gen2 Gateway has 7 slots for diverse modules. The 4th Slot is the middle slot of whole 7 slots of it.