



Antenna datasheet

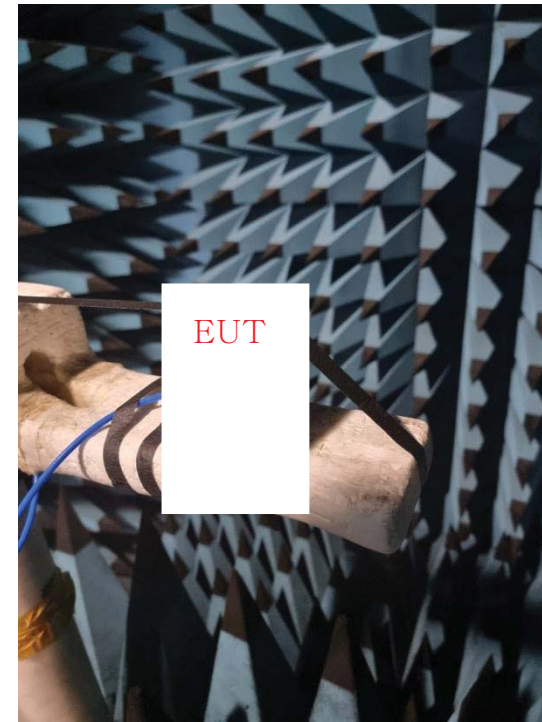
ANTENNA ENGINE

Electrical Characteristics Measurement of Antenna **2.4GHz Built-in Antenna**

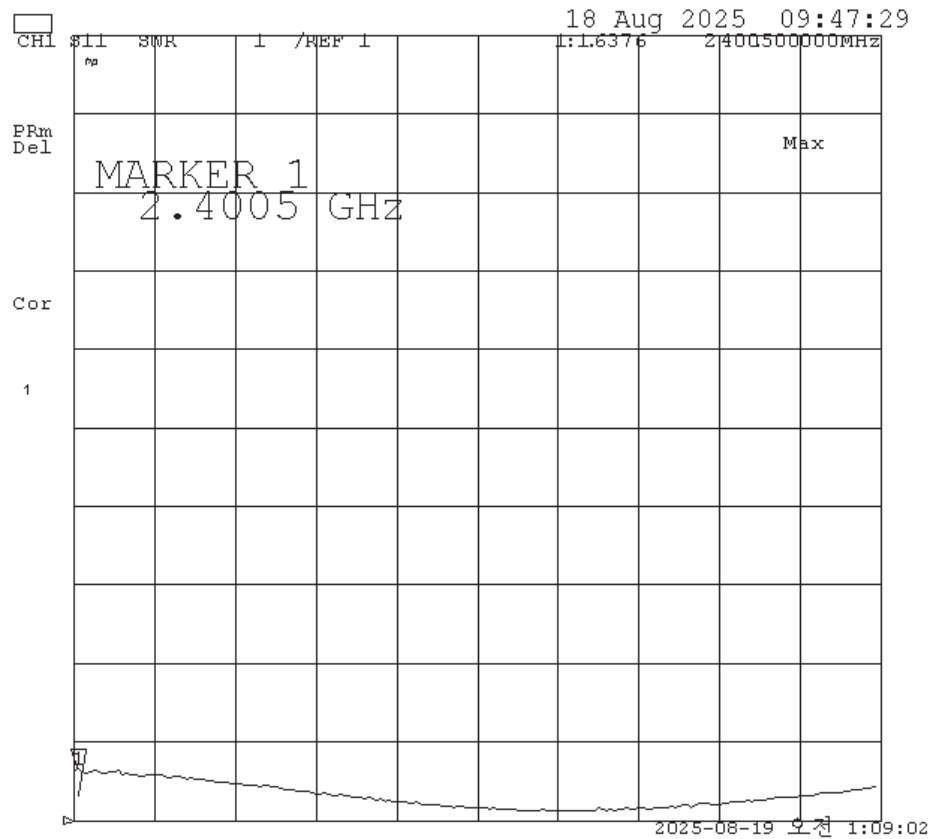
2025. 08. 20.

1. PCB Built-in Antenna Specifications

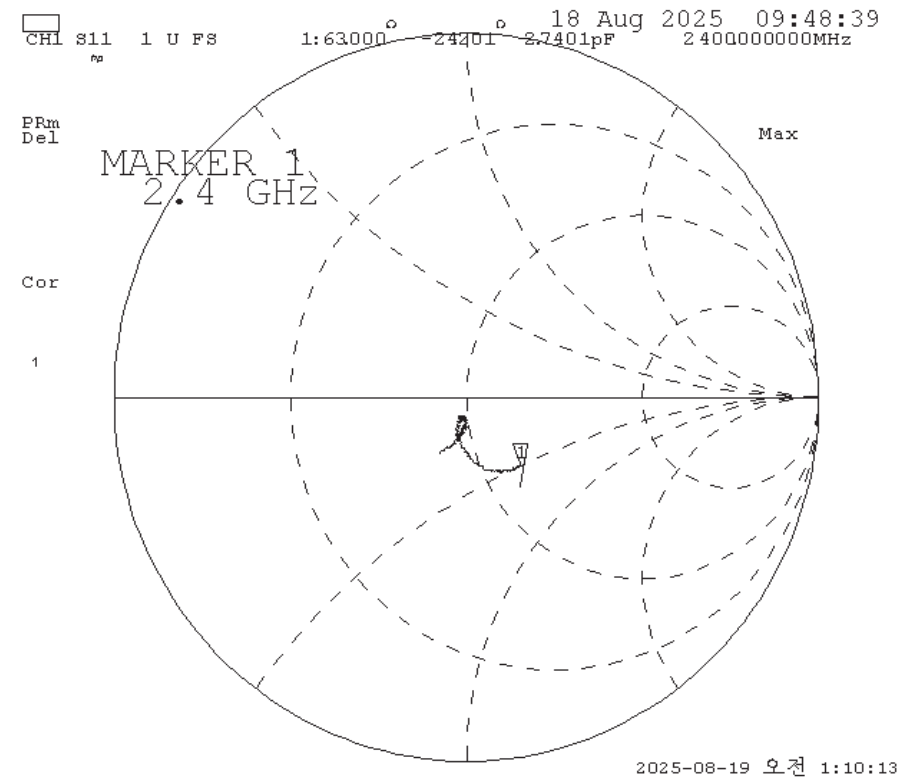
Item	Specification
Model Name	PIFA Antenna
Frequency Range	2400~2500 [MHz]
Gain	> 0 [dBi] (NOMINAL)
Front-to-Back Ratio	-
Nominal Impedance	50Ω
VSWR	≤ 2.5 : 1
Polarization	Vertical
Maximum Input Power	5 [W]
Input Connector	-
Dimensions (H×W)	9 x 19 mm
Weight (Excluding Clamp)	-
Color	-



2. Input Impedance Matching

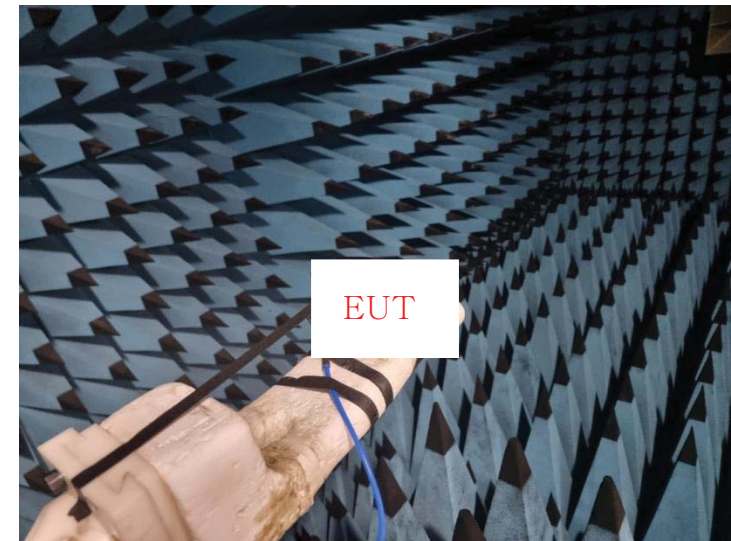
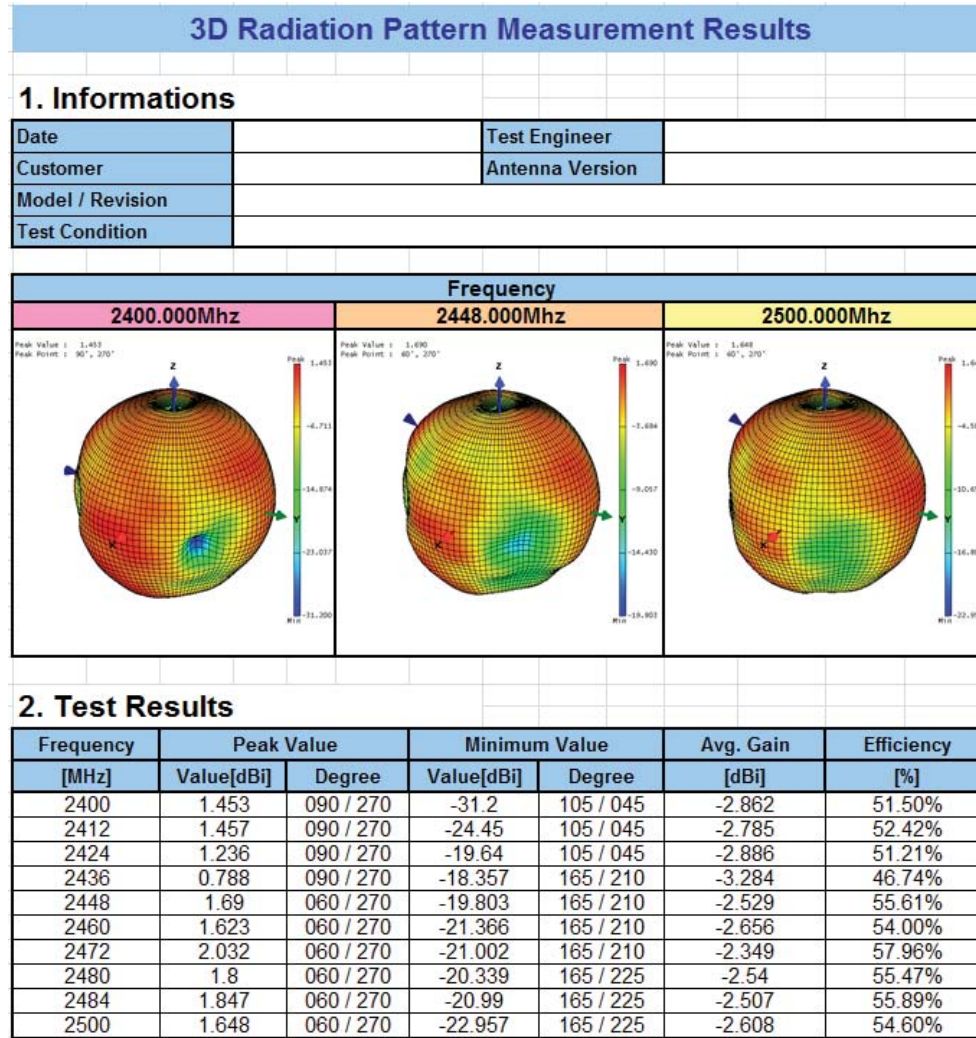


VSWR



Smith Chart

3. Radiation Pattern – 3D



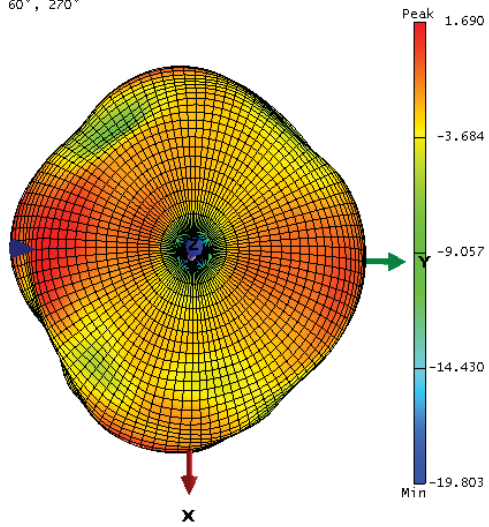
4. Radiation Pattern – 2D



5. Main Radiation Direction

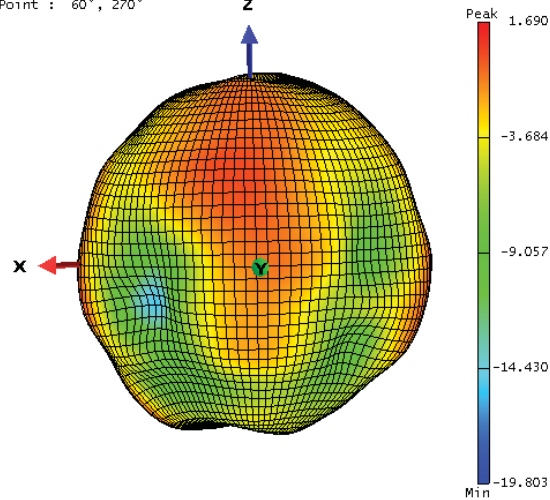
Top View

Peak Value : 1.690
Peak Point : 60°, 270°



Front View

Peak Value : 1.690
Peak Point : 60°, 270°



Side View

Peak Value : 1.690
Peak Point : 60°, 270°

