

Customer : **B25**

Report Sheet

Built-in Bluetooth antenna report

Model name : **WHP2**

Measurement date:2025/5/28

Measurer: Nobuyuki Ito
Approver: Kensuke Suzuki

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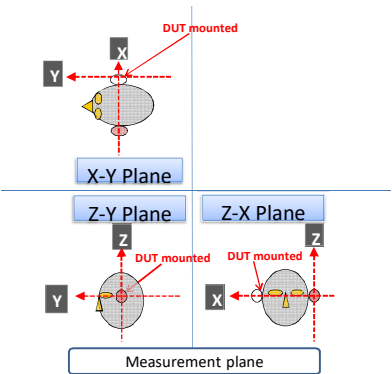
B25 WHP2 Bluetooth antenna matching and passive radiation pattern measurement

These specifications specify WHP2's built-in antenna.

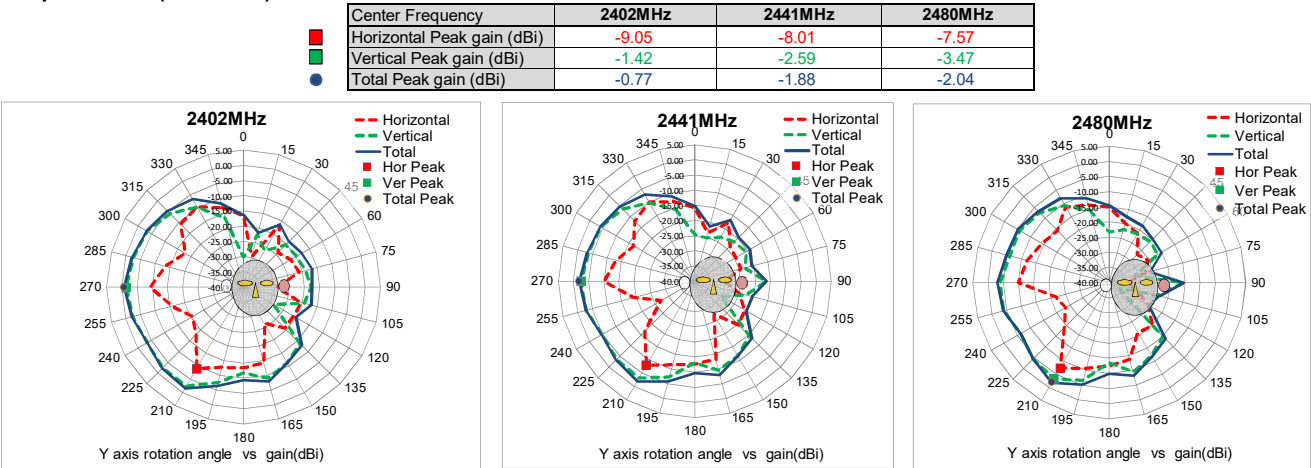
- (1) Antenna form: **Print Pattern antenna** $\lambda/4$ monopole Antenna
- (2) Antenna impedance: 50 ohm
- (3) Peak gain(2D) : -0.68 dBi (Horizontal or Vertical)
Peak value from 2D horizontal or vertical. Not total values.
- (4) Measurement apparatus of an electrical property and software : Network analyzer E-5071C /Cal date: 5-Nov-2024
ETS-LINDGREN EMQuest Antenna measurement site
- (5) When an antenna cable is connected: No
- (6) Connector Type: No use
- (7) Frequency range: 2402~2480MHz

Passive Radiation Pattern Measurement (2D)

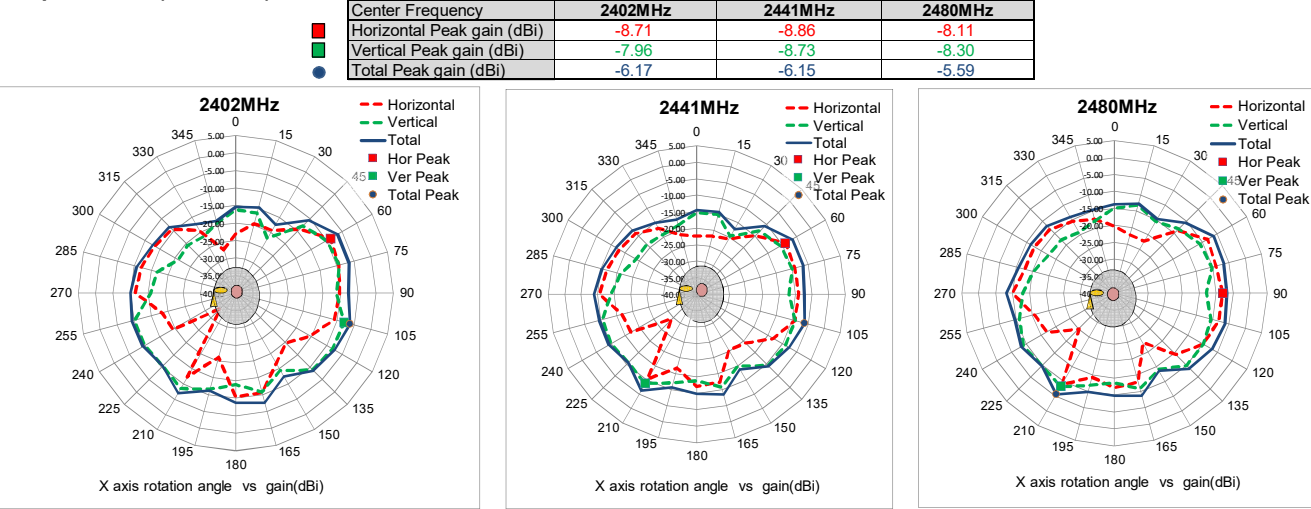
- (1) Place the phantom head so that the face of the head faces the ceiling (Y direction).
Fix the DUT to the phantom head and measure the passive radiation pattern (2D). See "Antenna Spec-Test Setup Photo"



Radiation pattern 2D (Z-X Plane)



Radiation pattern 2D (Z-Y Plane)



Radiation pattern 2D (X-Y Plane)

