

To: IONE



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JAE Antenna Performance in a HHKB prototype

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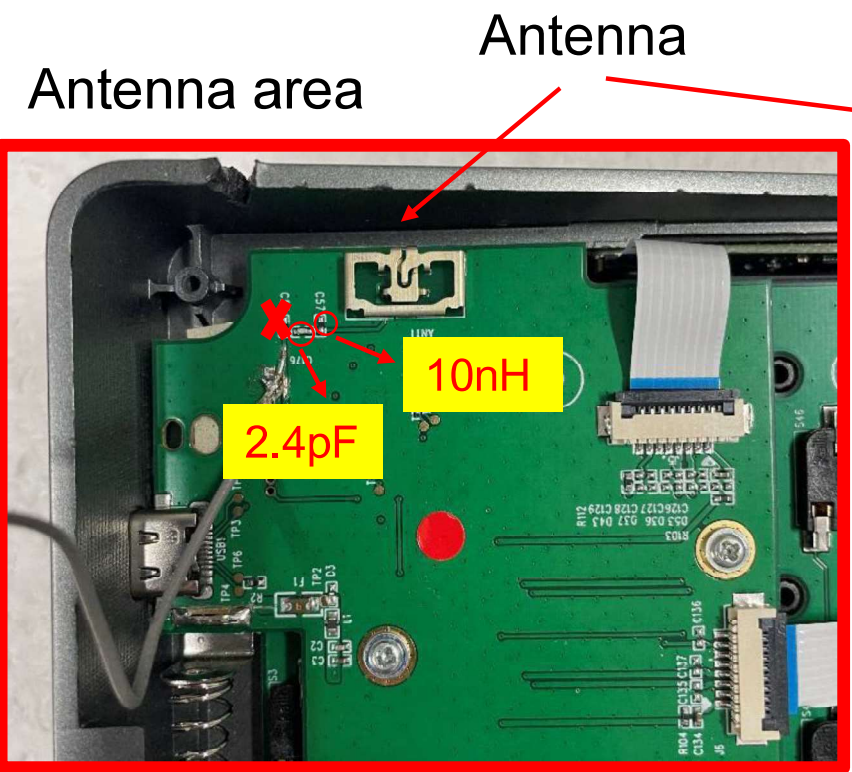
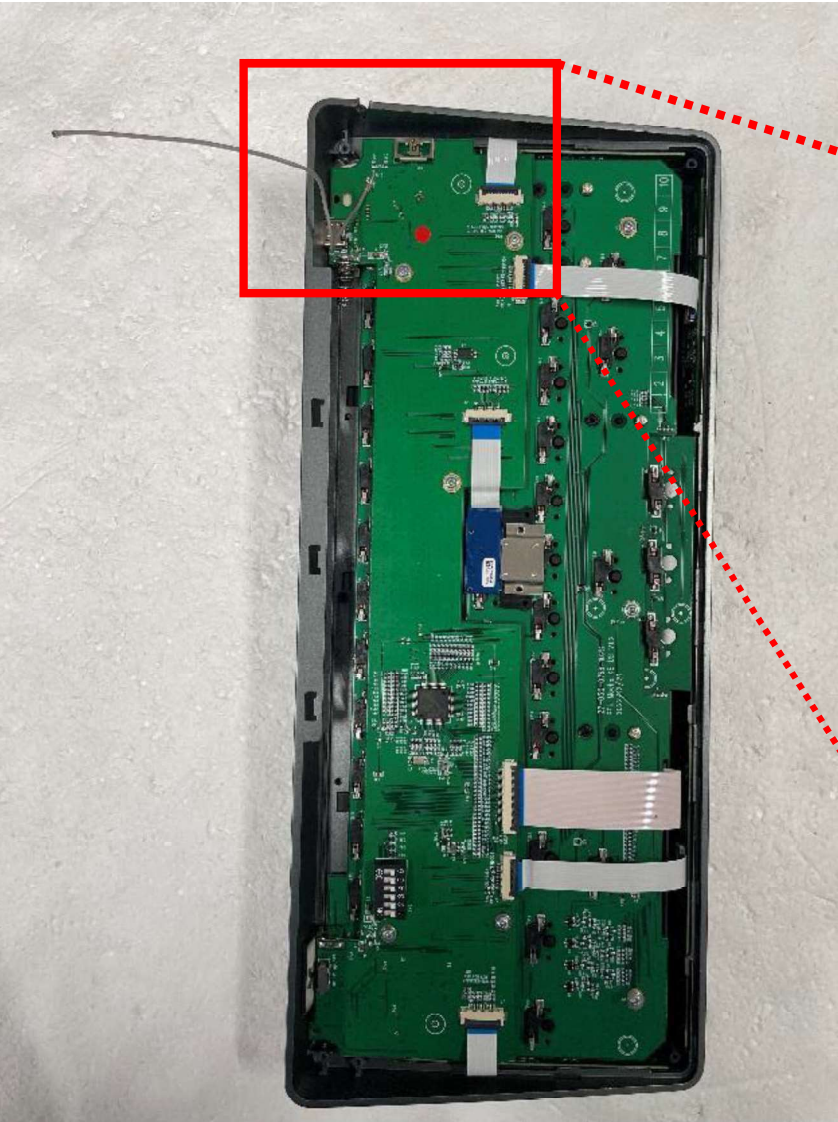
Antenna Brand: JAE

Model Name: GHT23-0134

Antenna Type: SMT Antenna

Antenna Position

Bottom view

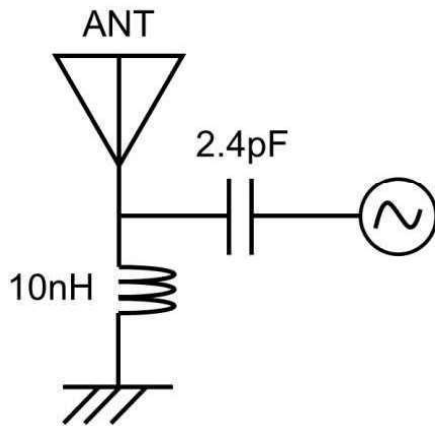


Top view



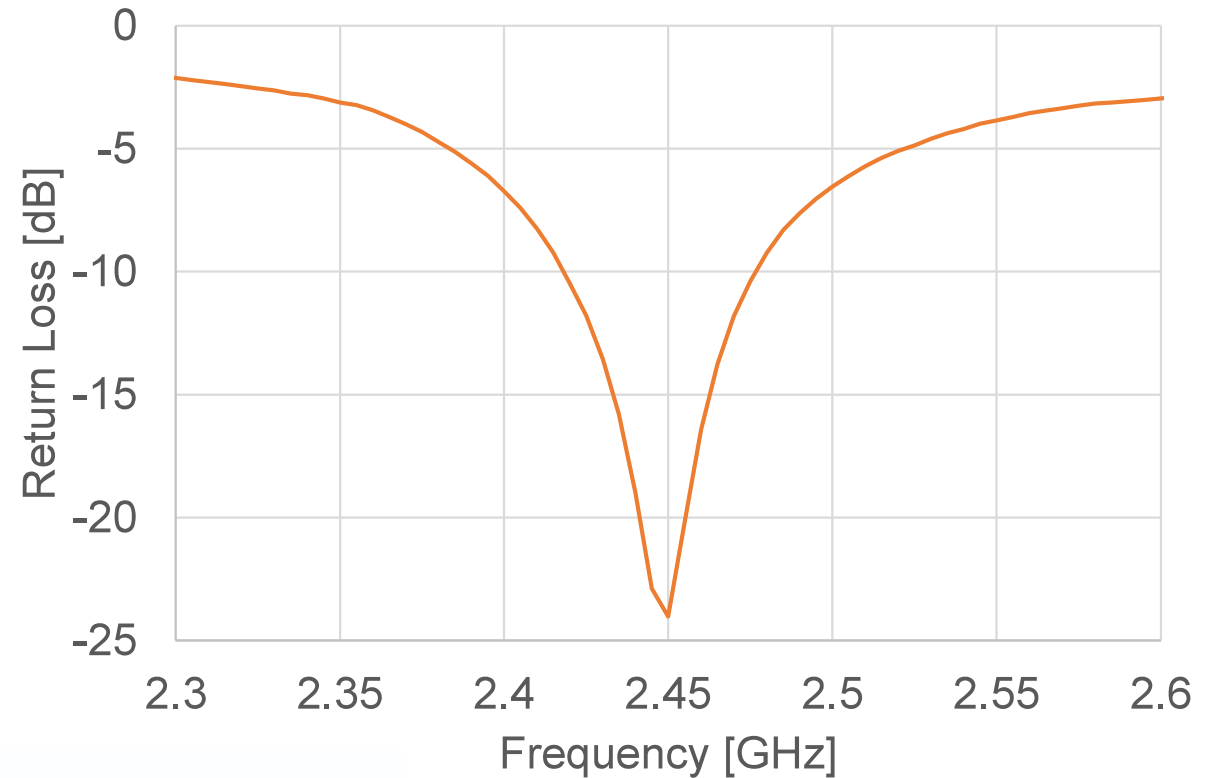
Return Loss

- Impedance Matching Circuit



- Return Loss (S11) Characteristics

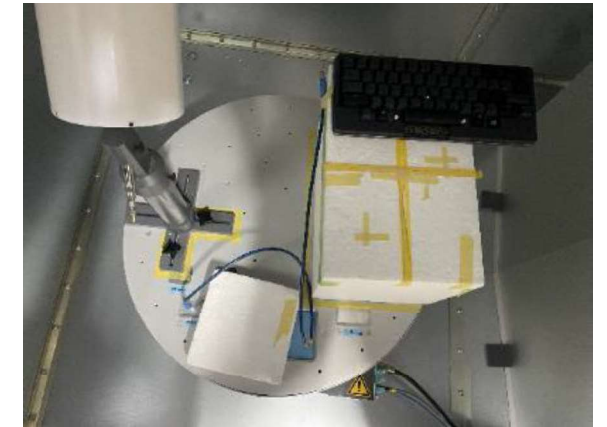
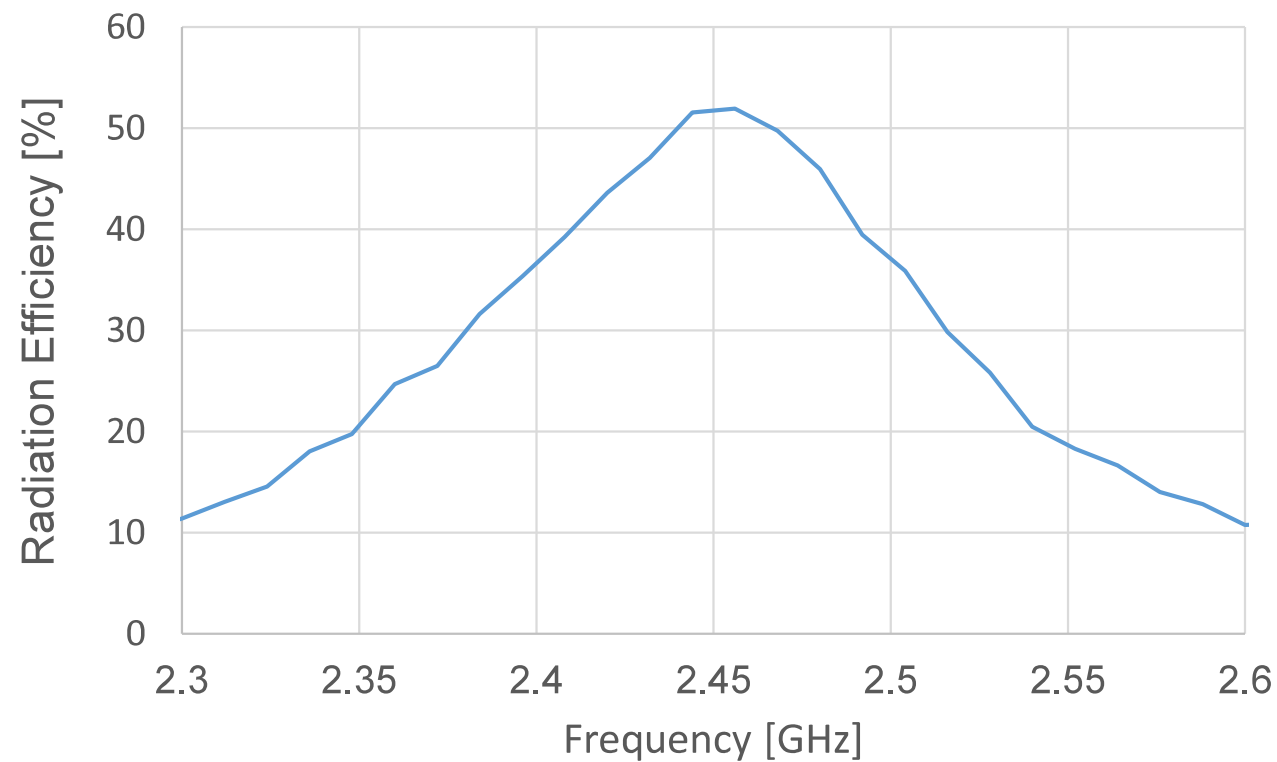
Return loss < -6.7 dB ($2.4 \text{ GHz} < f < 2.5 \text{ GHz}$)



Radiation Efficiency

- Radiation Efficiency Characteristics

Radiation Efficiency < 39 % ($2.4 \text{ GHz} < f < 2.5 \text{ GHz}$)



(*) Including 130-mm
microcoax cable loss
-0.3 dB = 93%

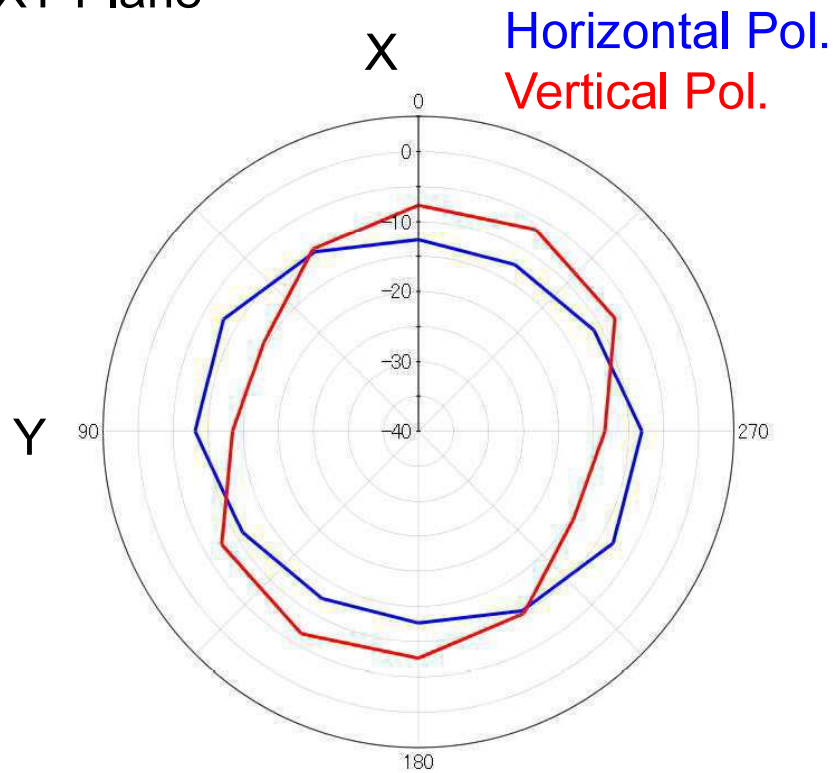
2D Radiation Pattern

- Radiation Pattern at 2.45 GHz

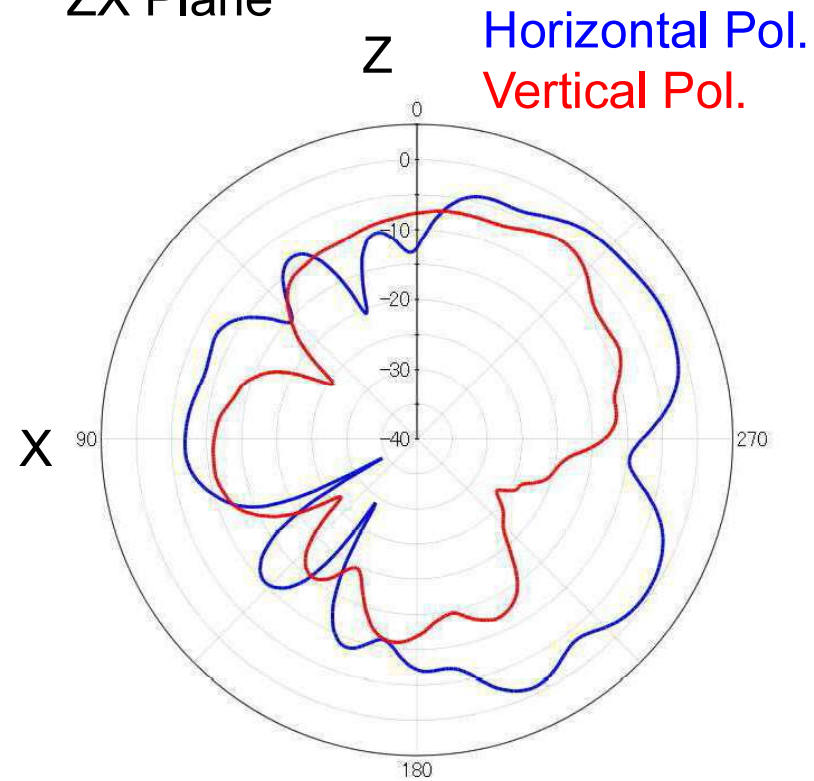
Peak Gain = -0.3 dBi



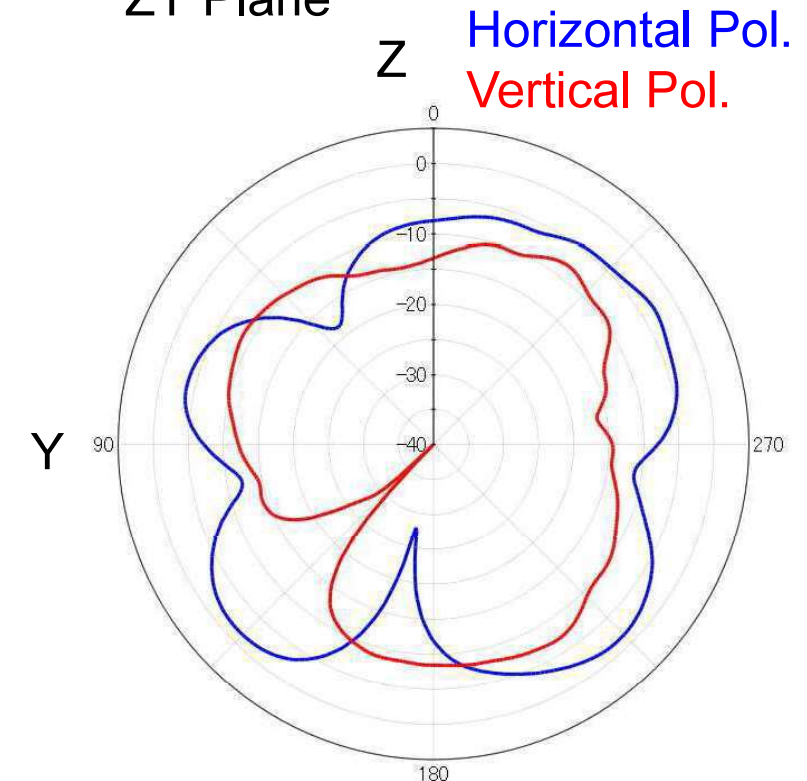
XY Plane



ZX Plane



ZY Plane



3D Radiation Pattern

- Radiation Pattern at 2.45 GHz

Peak Gain = -0.3 dBi

