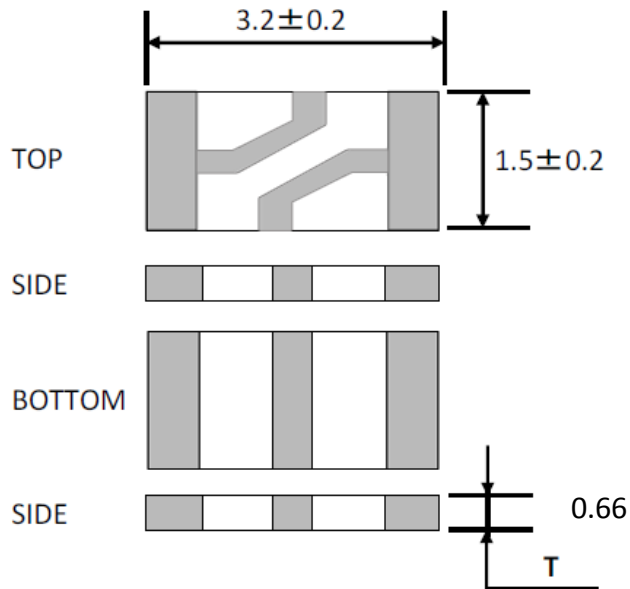


Chip Antenna

2.4G / 915MHz / 433MHz

Frequency range: 2.4G

Model:WS-ANTSMD2G4



< Feature >

2400~2500MHz

Impedance 50Ω

Very small ($3.23 \times 1.5 \times 0.66$ mm)

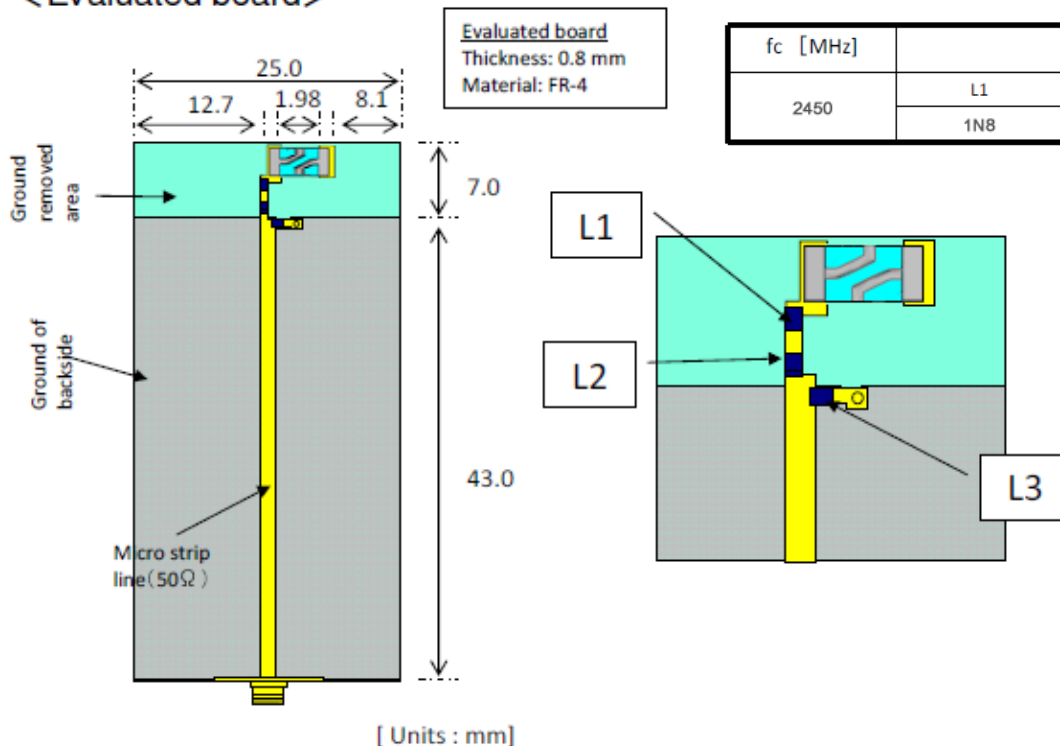
High gain

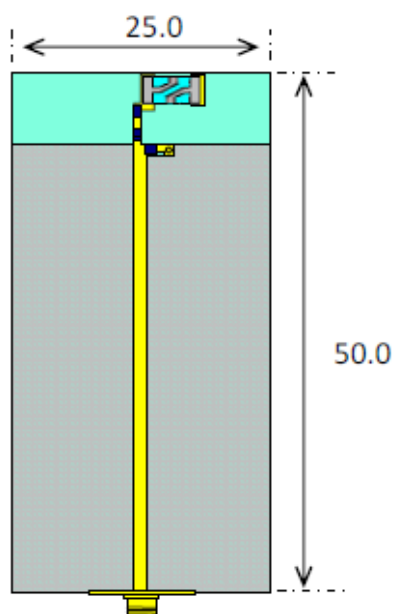
Omni-directional

< Applications >

Bluetooth device, IEEE802.11b/g device, ZigBee device

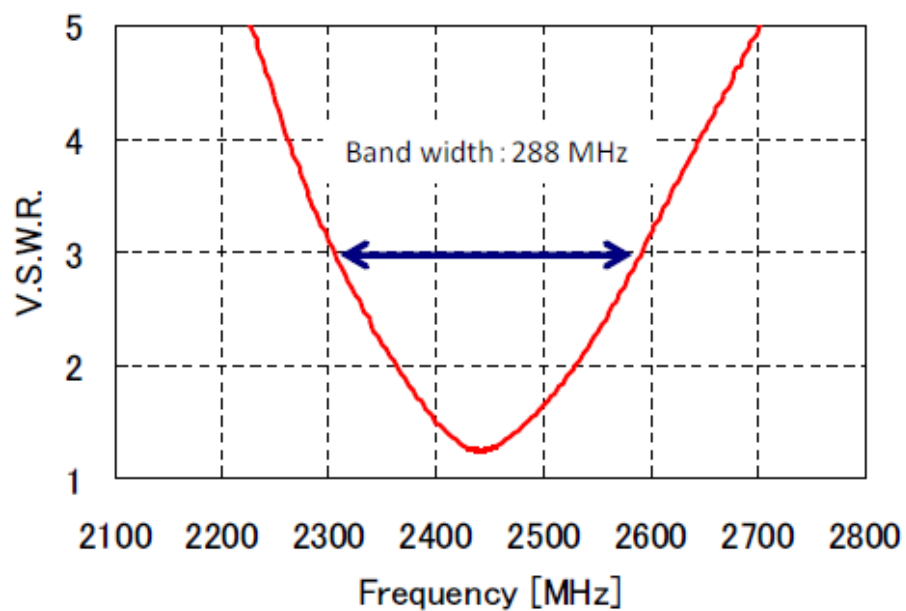
< Evaluated board >



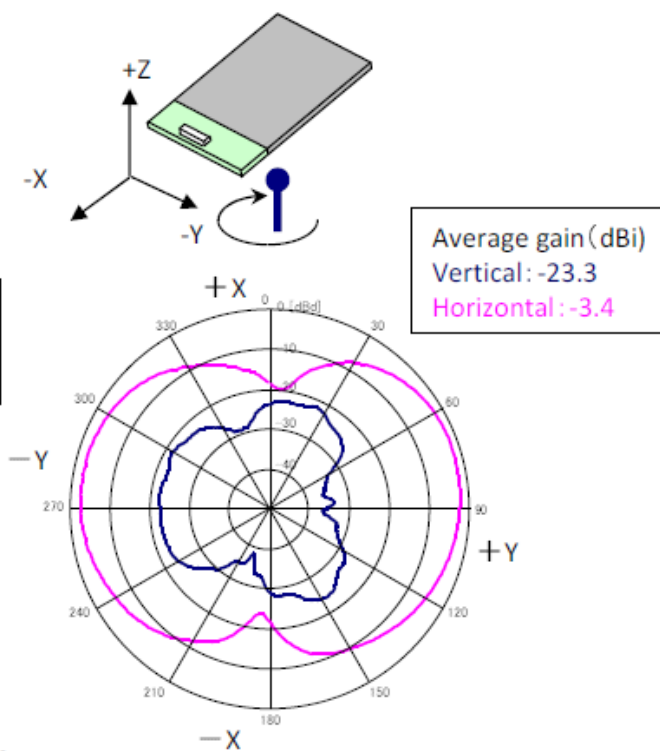
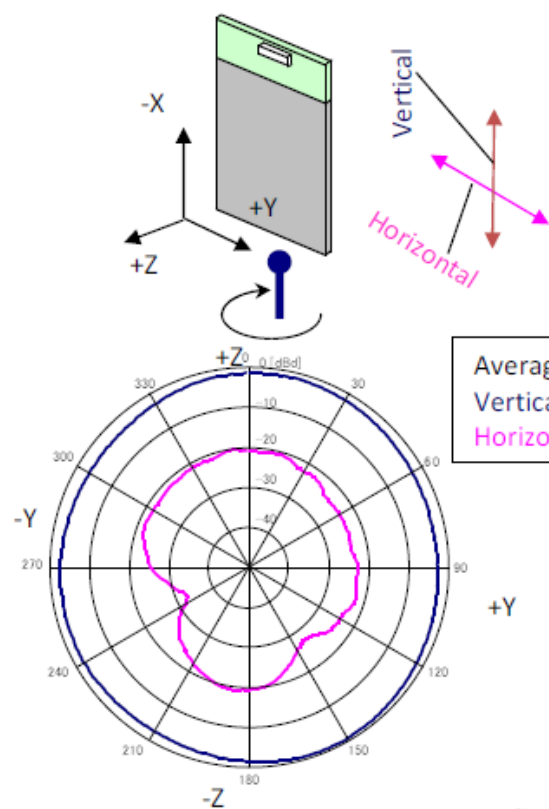


[Units : mm]

Evaluated board



V.S.W.R.



Radiation pattern $f_c=2442\text{MHz}$

Frequency range: 915MHz

Model:WS-ANTSMD915

< Feature >

900~930MHz

Impedance 50Ω

Very small (10.5×3.0×0.66mm)

High gain

Omni-directional

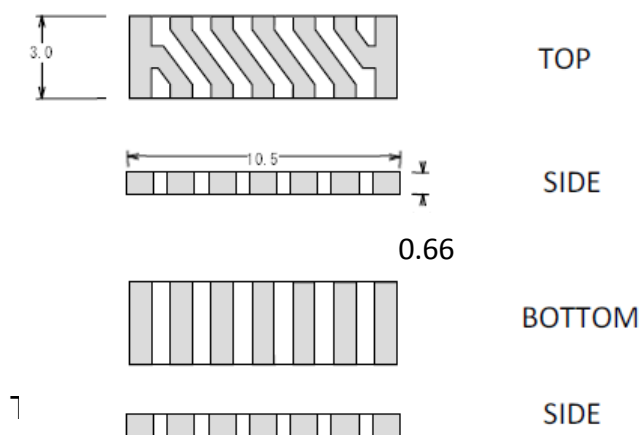
< Applications >

Telemeter(Industrial & medical use)

Data communication, Keyless

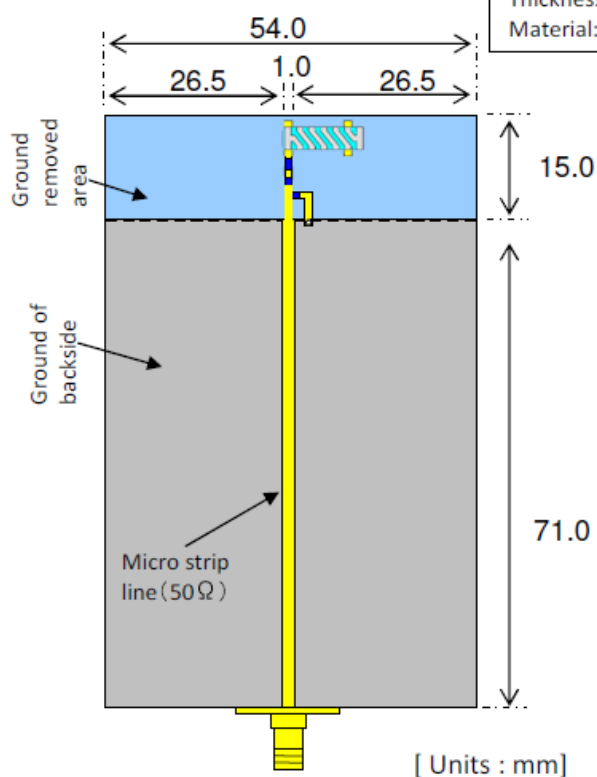
entry system, Immobilizer system, Voice

communication terminal, ZigBee



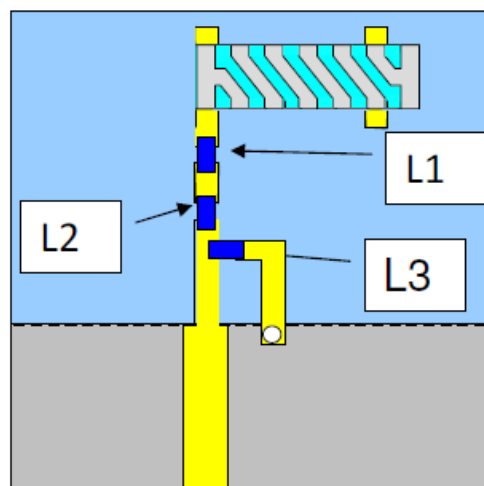
[Units : mm]

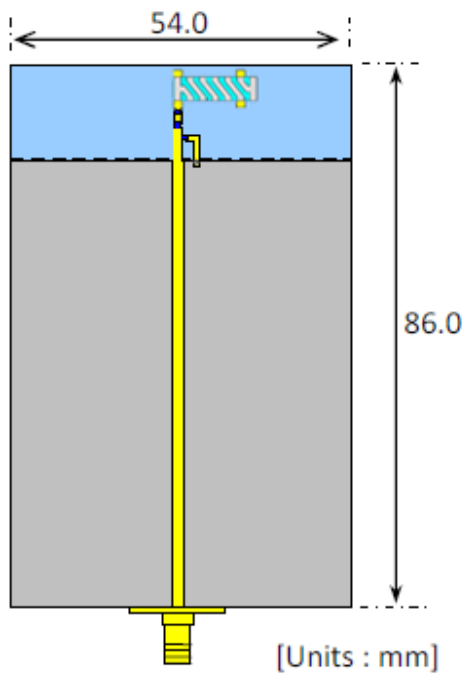
< Evaluated board >



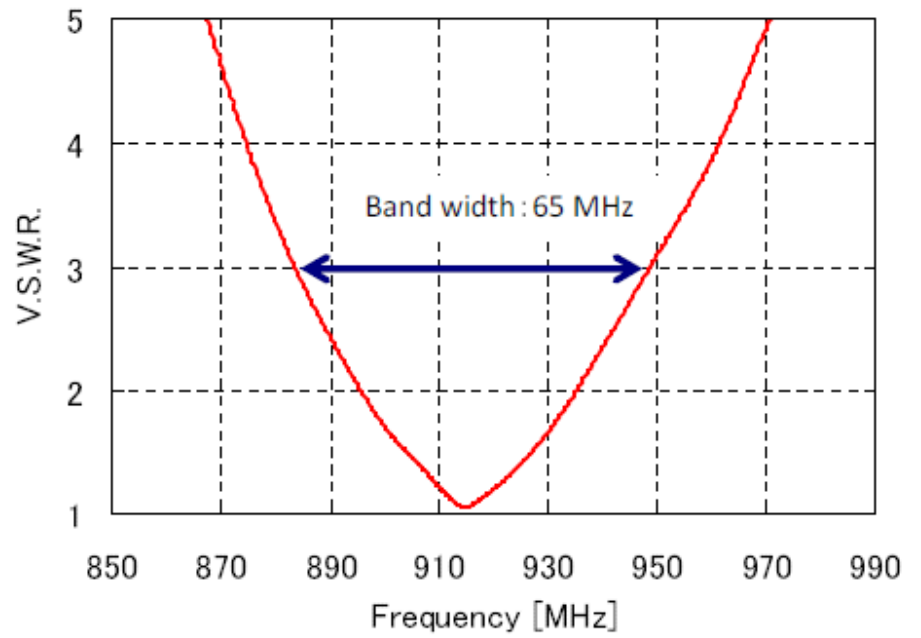
Evaluated board
Thickness: 0.8 mm
Material: FR-4

| fc [MHz] | Inductance [nH] | | |
|----------|-----------------|-----|-----|
| | L1 | L2 | L3 |
| 868 | 4.3 | 47 | 8.2 |
| 915 | 3N9 | 30N | 6N8 |
| 950 | 11 | 33 | 6.8 |

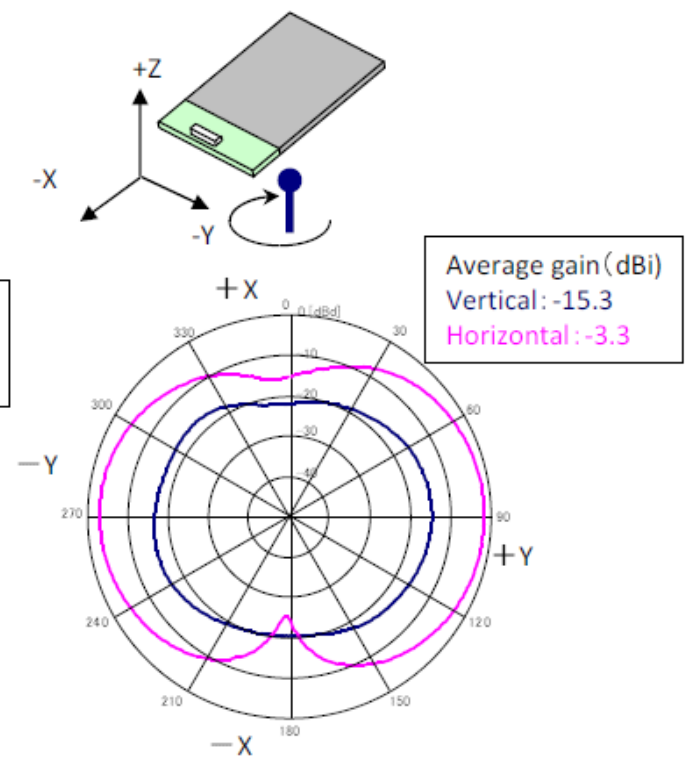
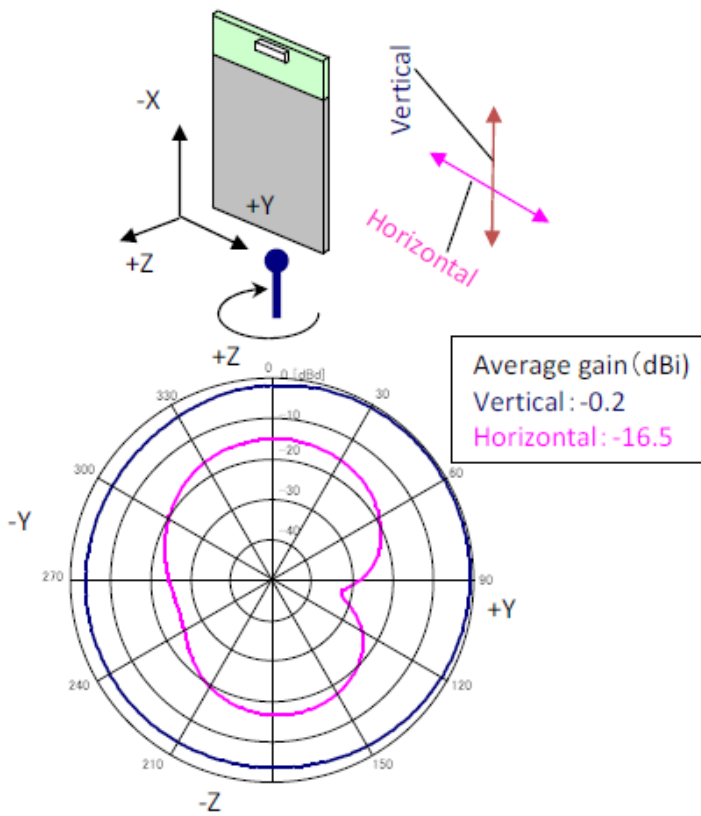




Evaluated board



V.S.W.R.



Radiation pattern: $f_c=915\text{MHz}$

Frequency range: 433MHz

Model:WS-ANTSMD433

< Feature >

428~438MHz

Impedance 50Ω

Very small (15.1×3.0×0.66mm)

High gain

Omni-directional

< Applications >

Telemeter(Industrial & medical use)

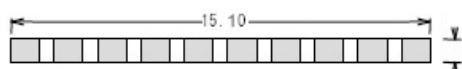
Data communication, Keyless

entry system, Immobilizer system, Voice

communication terminal, ZigBee



TOP



SIDE

0.66



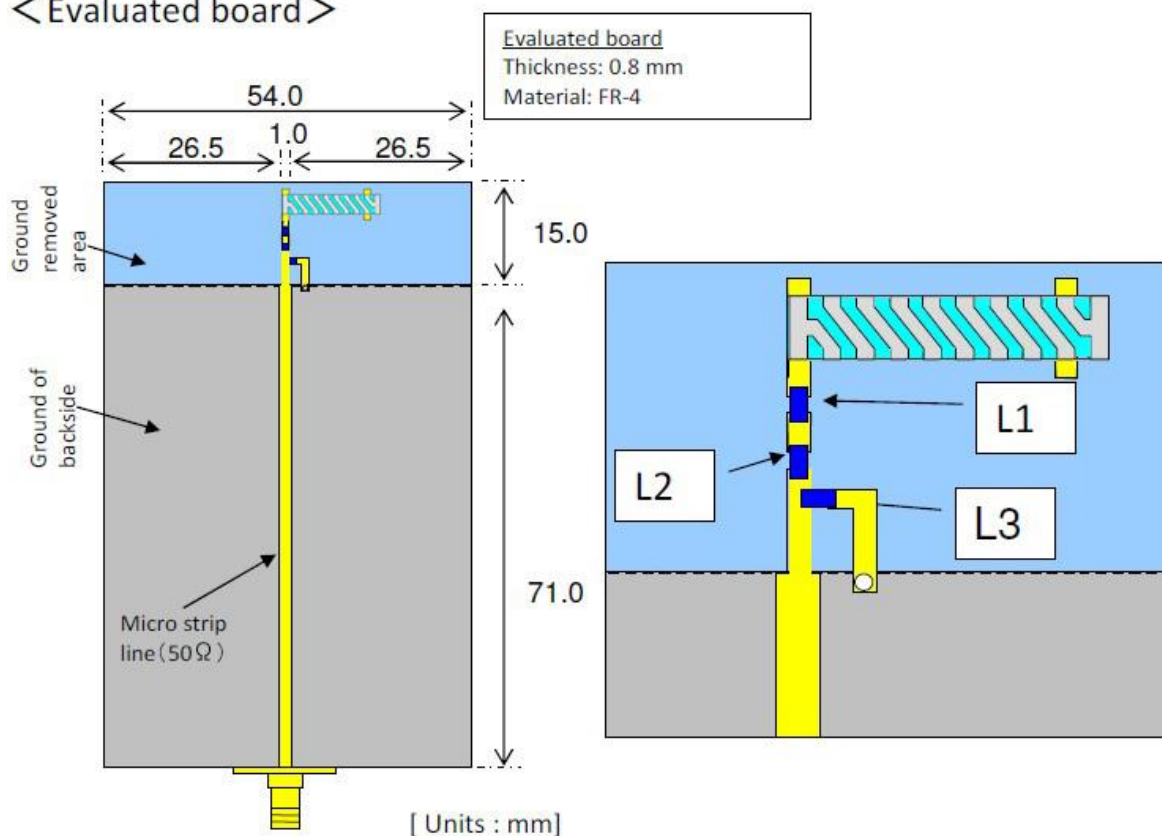
BOTTOM



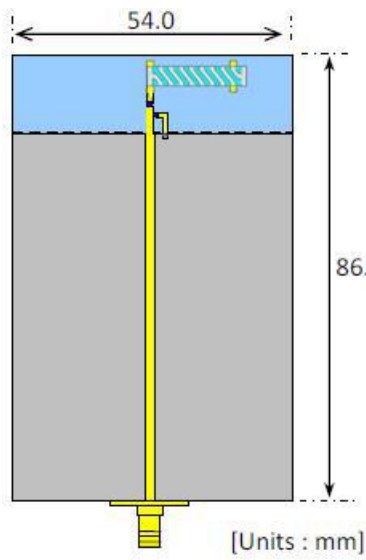
SIDE

[Units : mm]

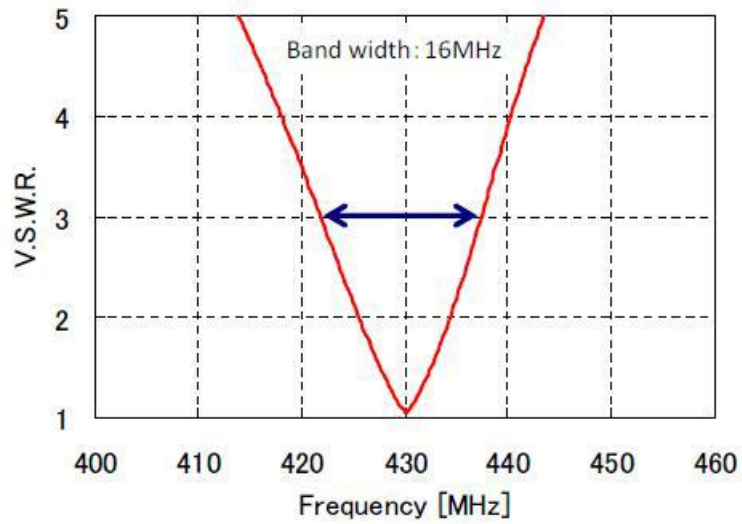
< Evaluated board >



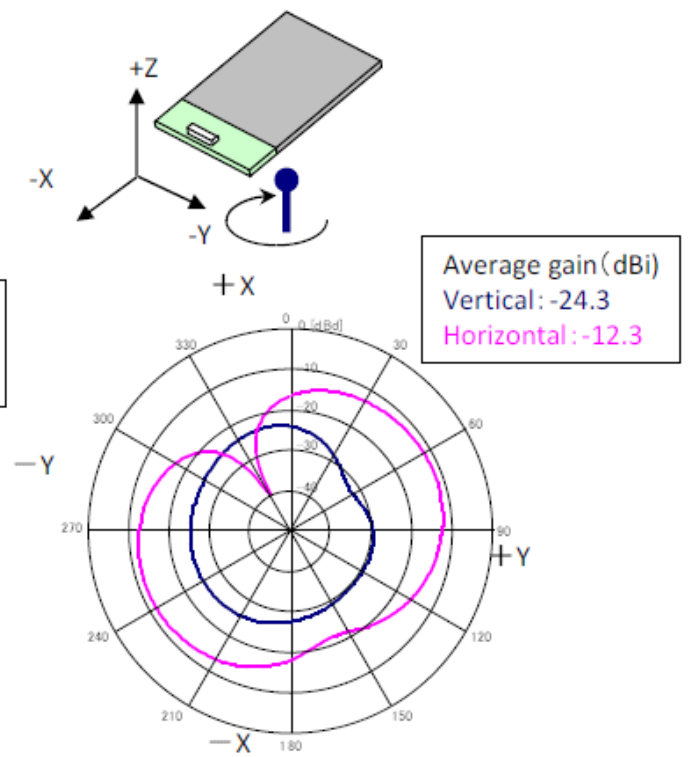
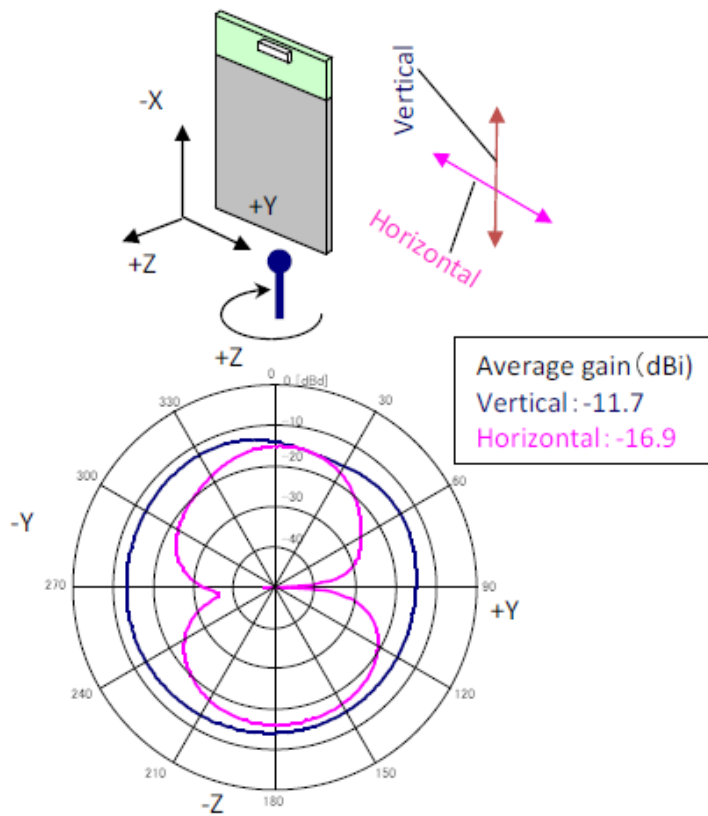
| fc [MHz] | Inductance [nH] | | |
|----------|-----------------|------|-----|
| | L1 | L2 | L3 |
| 315 | 88 | 390 | 33 |
| 430 | 47N | 120N | 56N |



Evaluated board



V.S.W.R.



Radiation Pattern:fc=430MHz