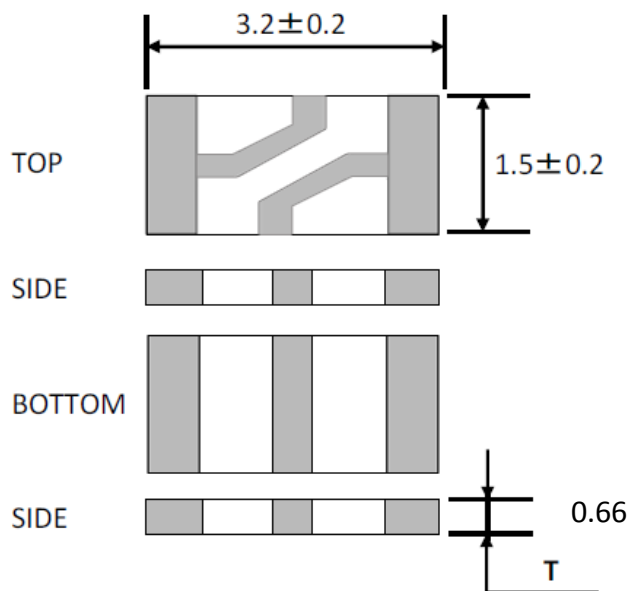


# Chip Antenna

2.4G / 915MHz / 433MHz

Frequency range: 2.4G

Model: WS-ANTSMD2G4



## < Feature >

2400 ~ 2500MHz

Impedance  $50\Omega$

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

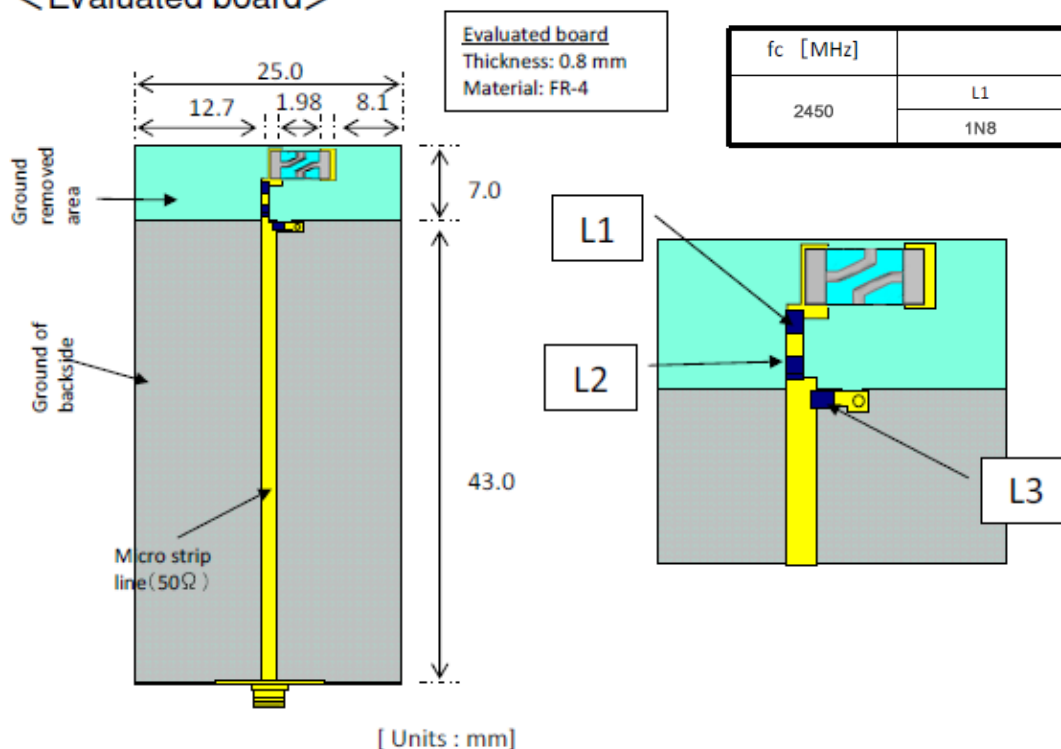
High gain

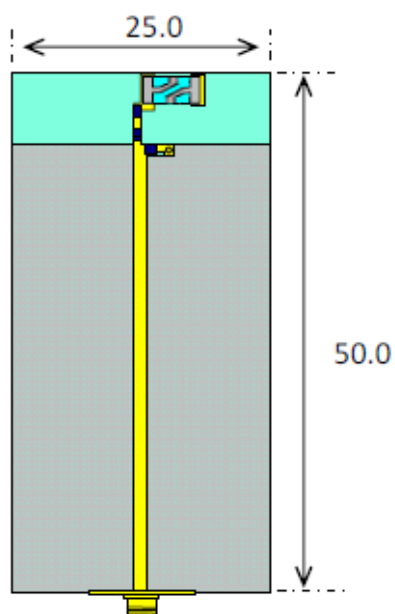
Omni-directional

## < Applications >

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

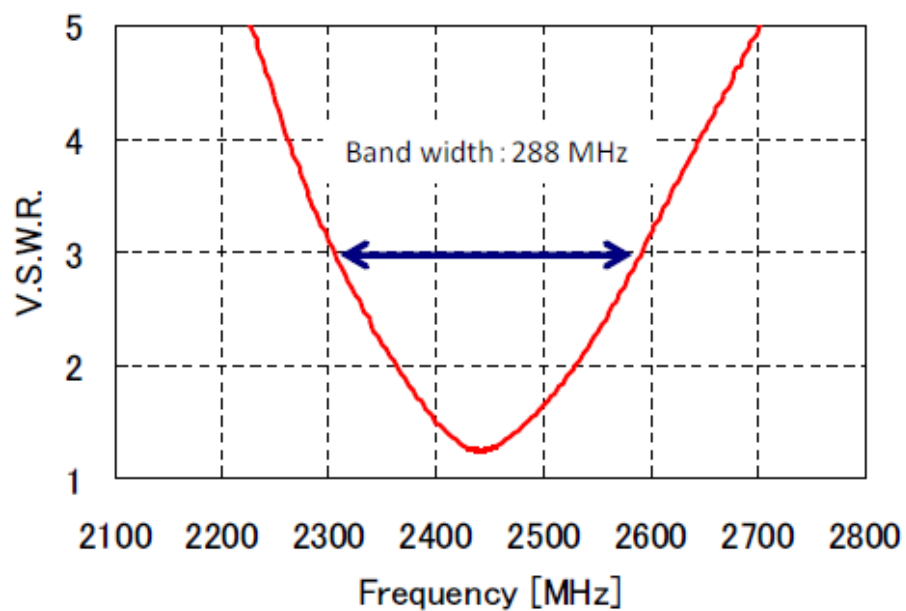
## < Evaluated board >



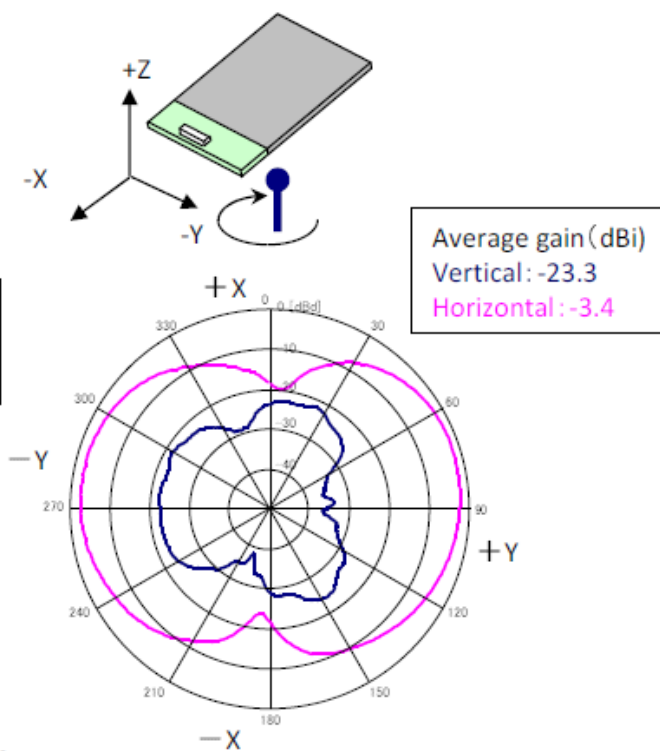
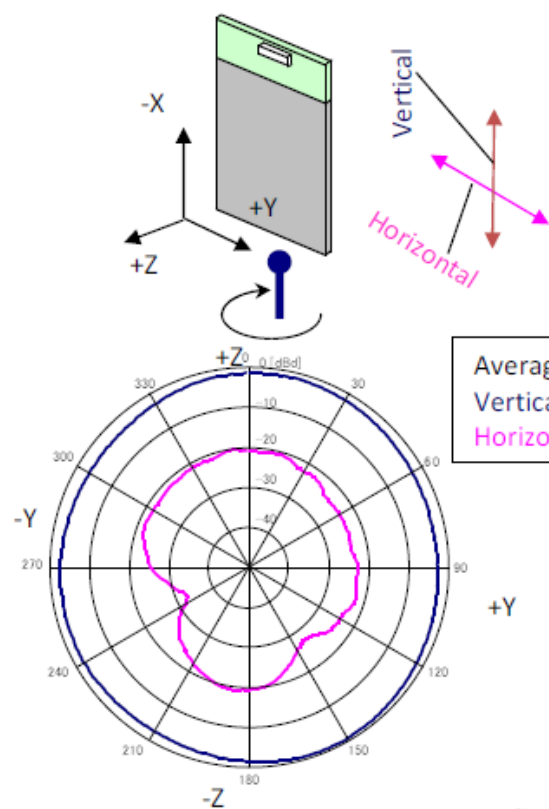


[Units : mm]

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

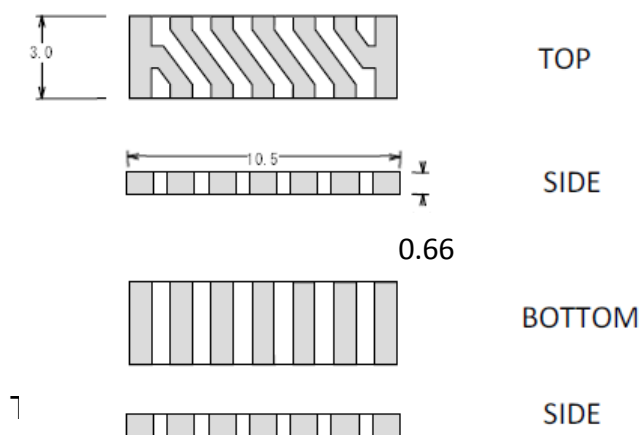
# < Applications >

Telemeter(Industrial & medical use)

Data communication, Keyless

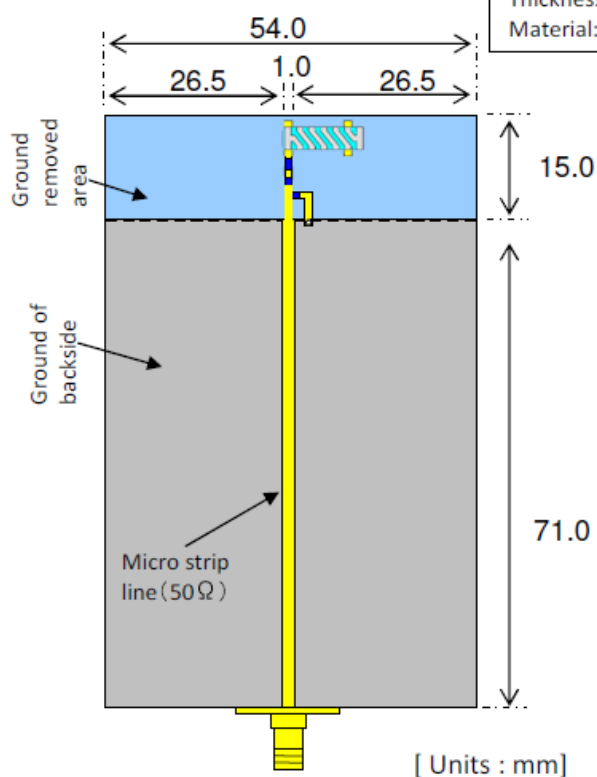
entry system, Immobilizer system, Voice

communication terminal, ZigBee



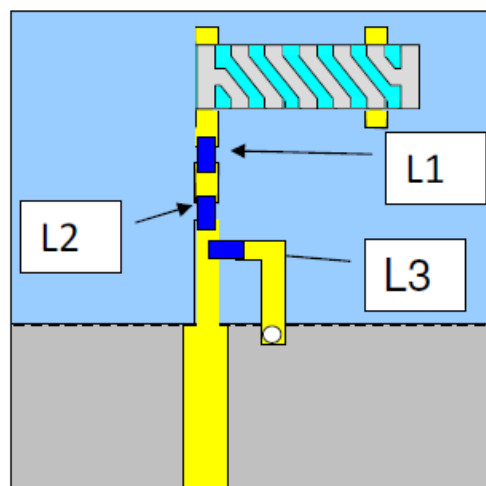
[Units : mm]

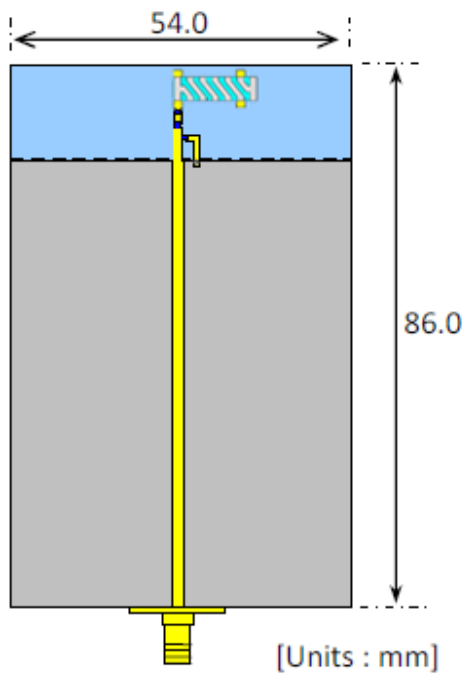
# < Evaluated board >



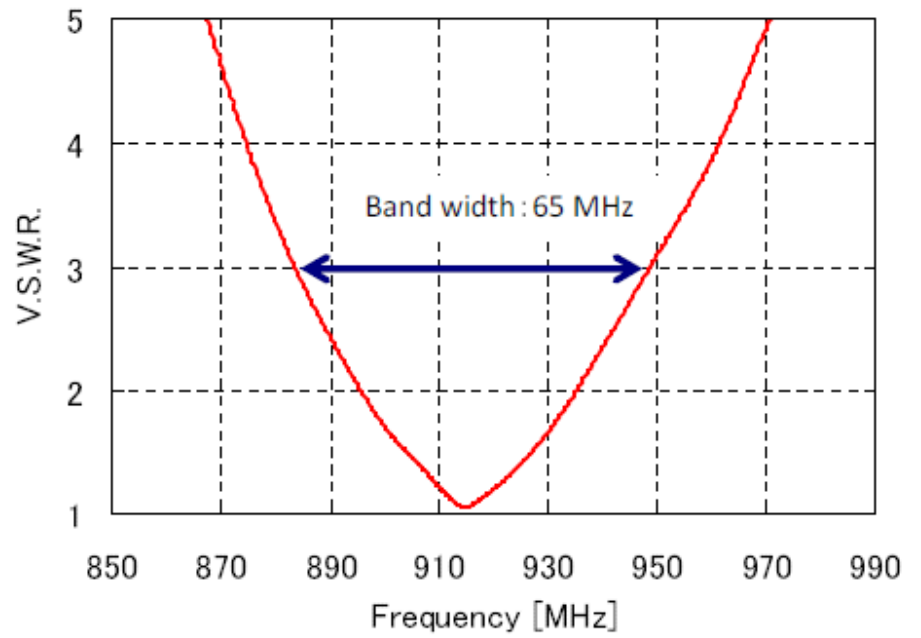
Evaluated board  
Thickness: 0.8 mm  
Material: FR-4

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

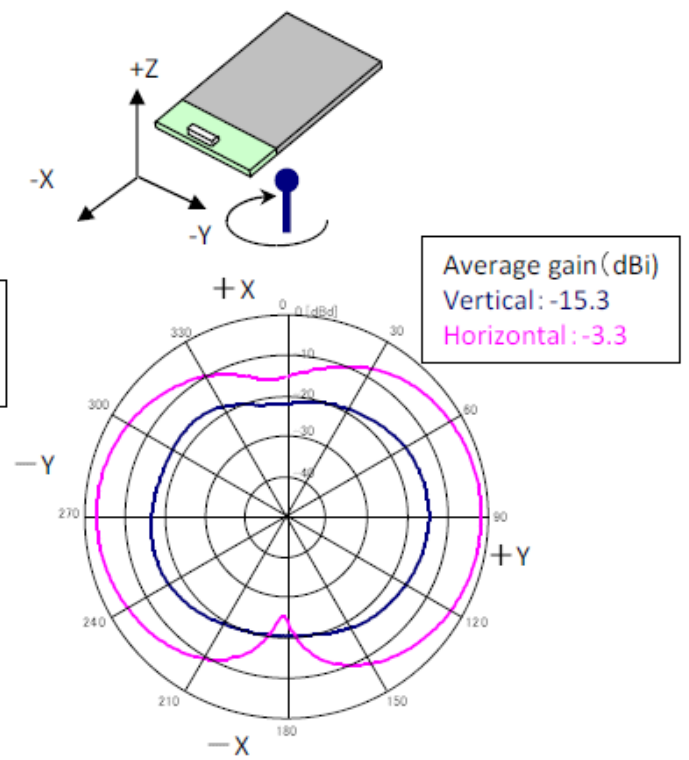
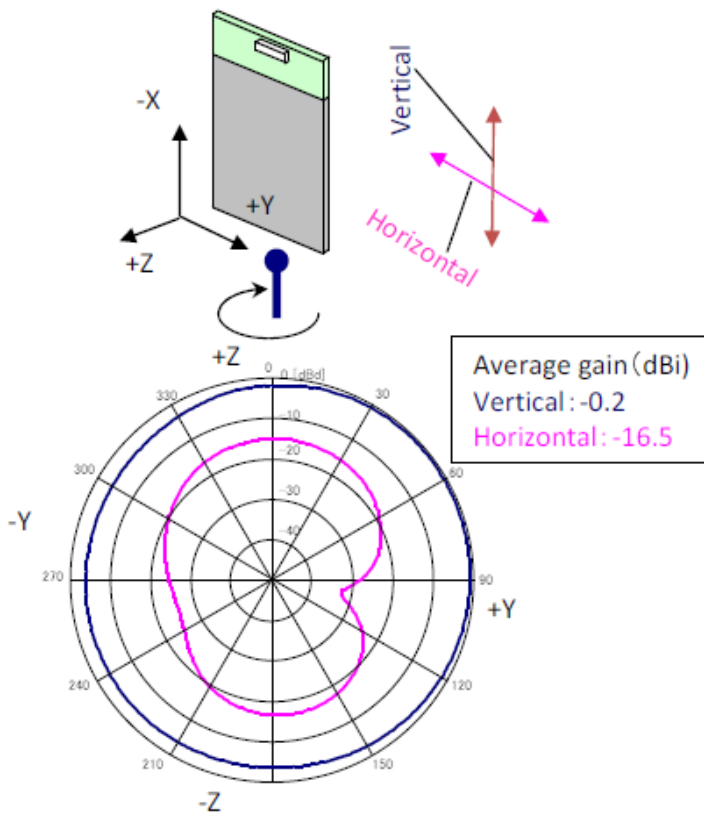




**Evaluated board**



**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 )

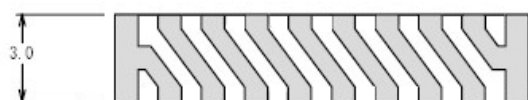
High gain

Omni-directional

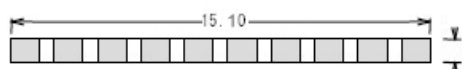
< Applications >

Telemeter(Industrial & medical use)

Data communication, Keyless entry system, Immobilizer system, Voice communication terminal, ZigBee



TOP



SIDE

0.66



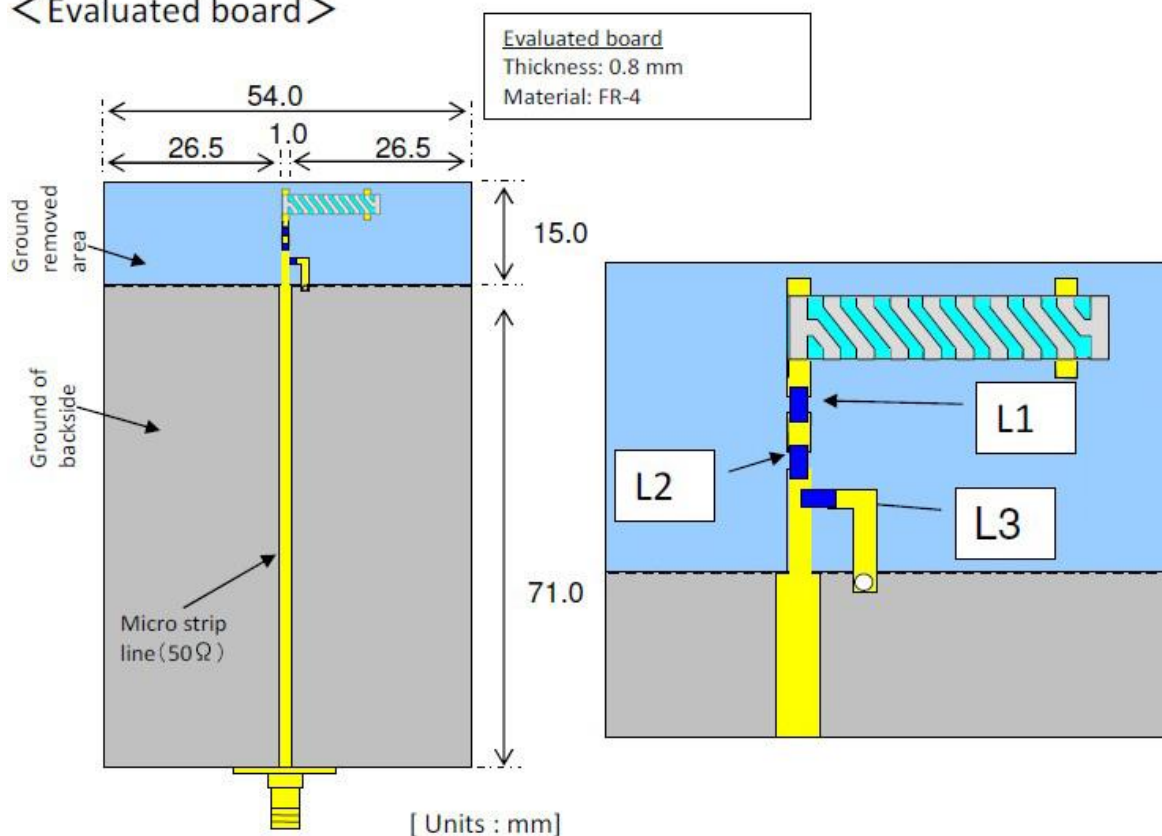
BOTTOM



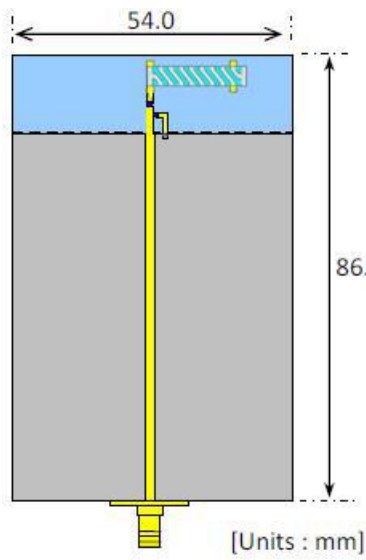
SIDE

[Units : mm]

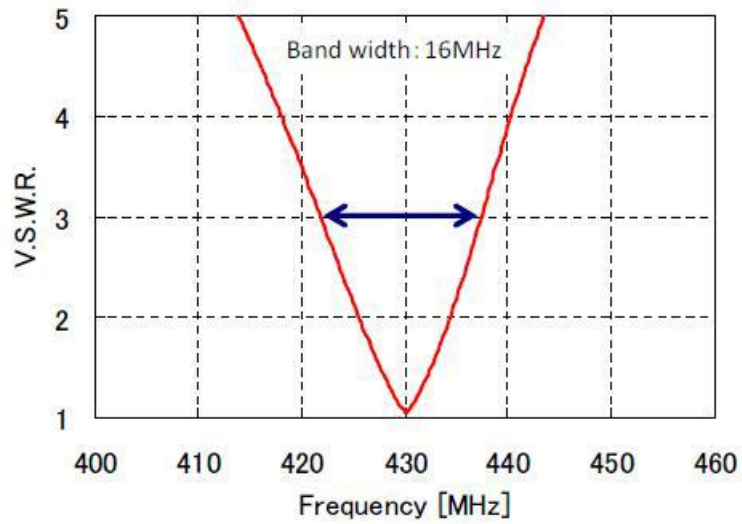
< Evaluated board >



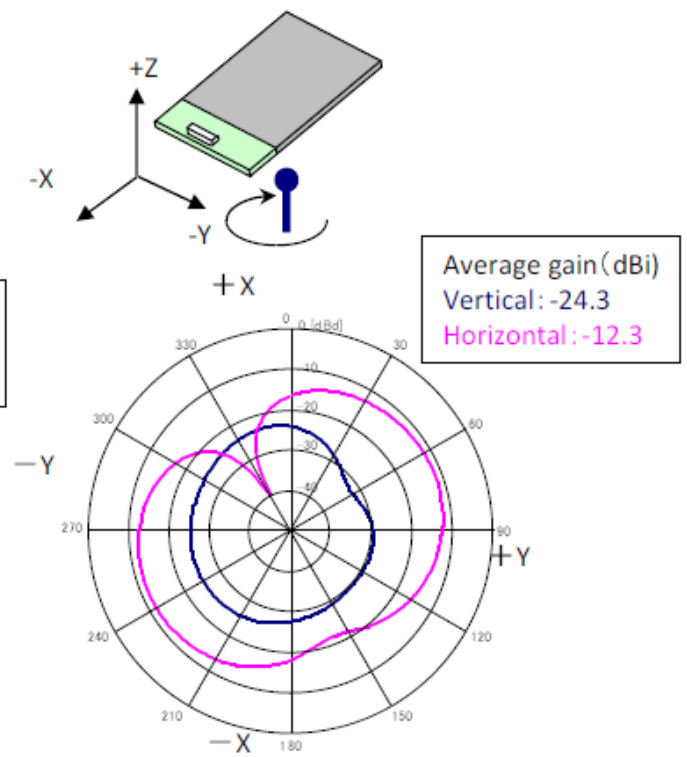
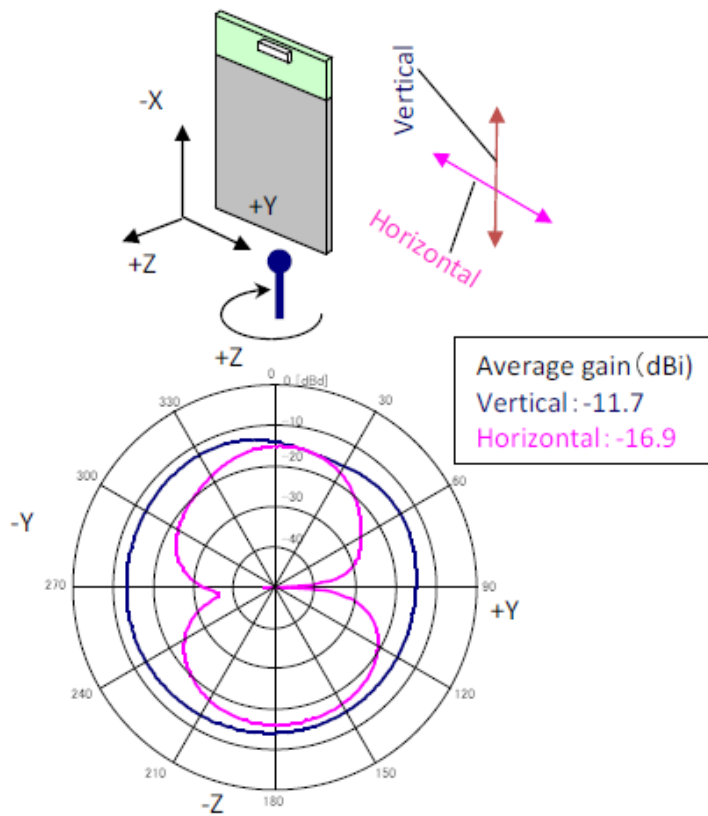
fc [MHz]	Inductance [nH]		
	L1	L2	L3
315	88	390	33
430	47N	120N	56N



**Evaluated board**



**V.S.W.R.**



**Radiation Pattern:fc=430MHz**