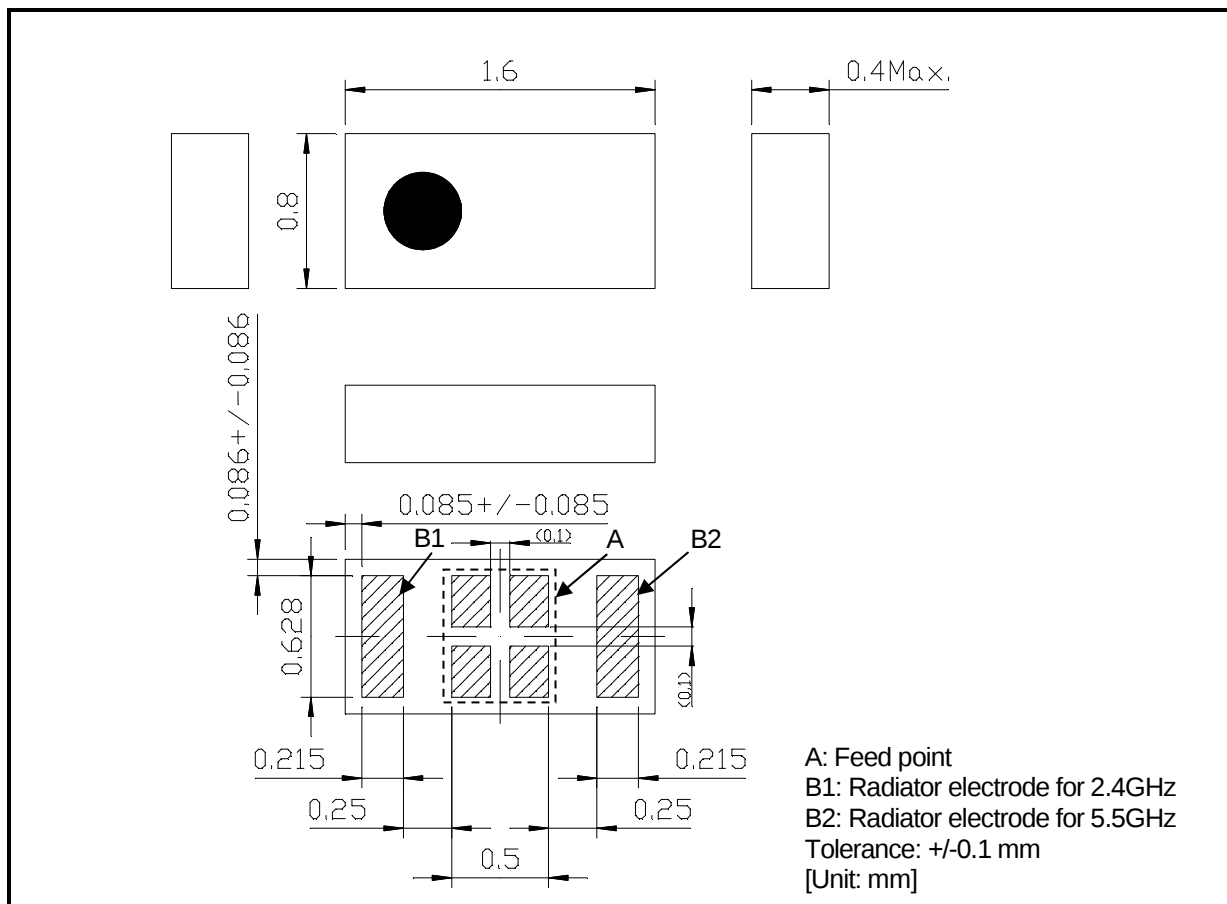


CHIP MULTILAYER ANTENNA FOR IEEE802.11a/b/g/n

SAMPLE P/N: ANT016008LCD2442MA1

[MECHANICAL DIMENSIONS]



[ELECTRICAL CHARACTERISTICS]

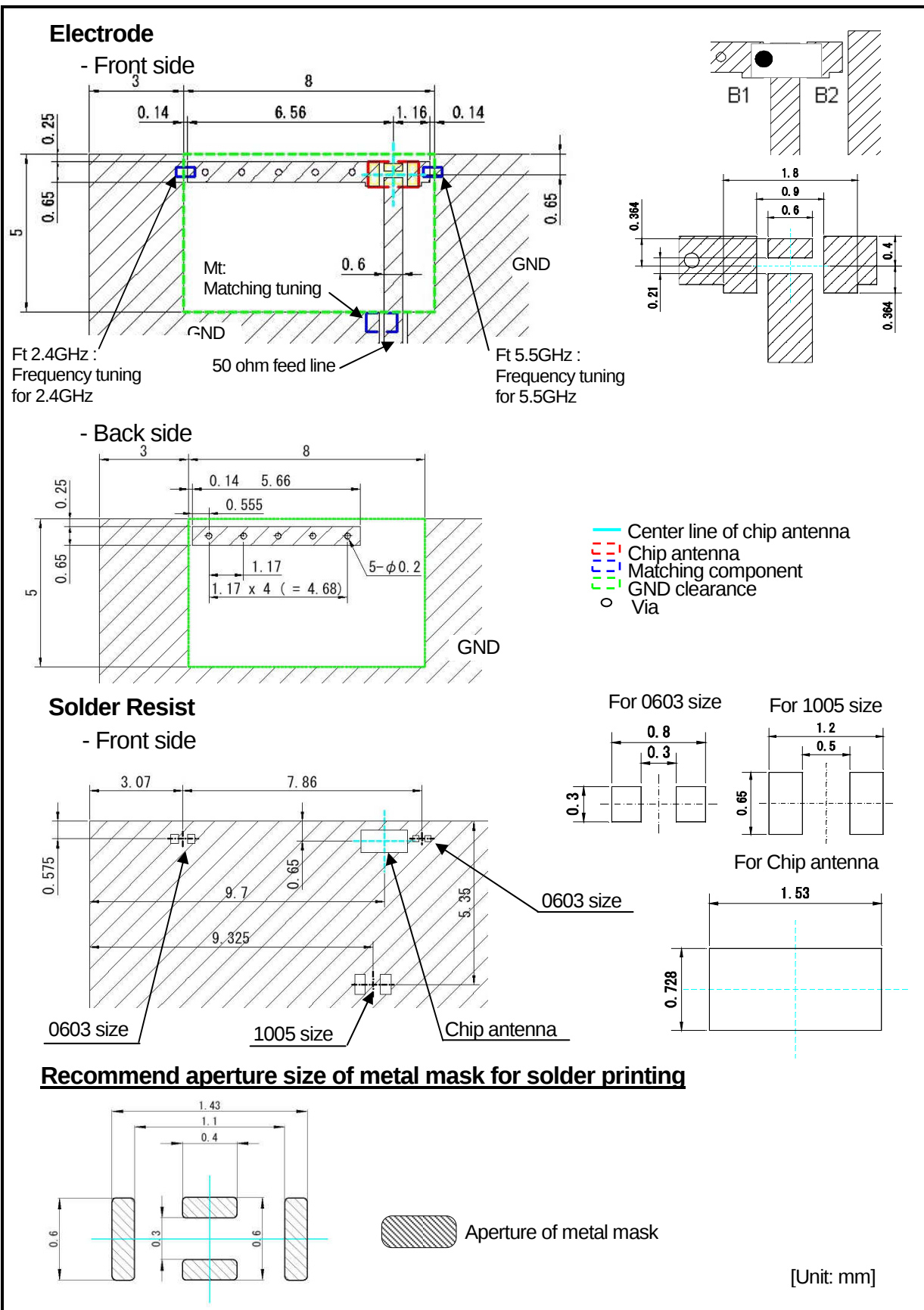
PARAMETER		UNIT
Center Frequency ($F_{11b/g/n}$, F_{11a})	$F_{11b/g/n}$: 2442, F_{11a} : 5500	MHz
Band Width ($F_{11b/g/n}$, F_{11a})	$F_{11b/g/n}$: +/-42, F_{11a} : +/-350	MHz
VSWR at BW ($F_{11b/g/n}$, F_{11a})	$F_{11b/g/n}$: 6.5 (Max.), F_{11a} : 4 (Max.)	
Polarization	Linear	
Impedance	50	ohm
PCB size	120 x 65 x 1.0	mm

* This is typical antenna performance with the standard PCB.

Operating temperature	-40	+85	℃
Storage temperature	-40	+85	℃

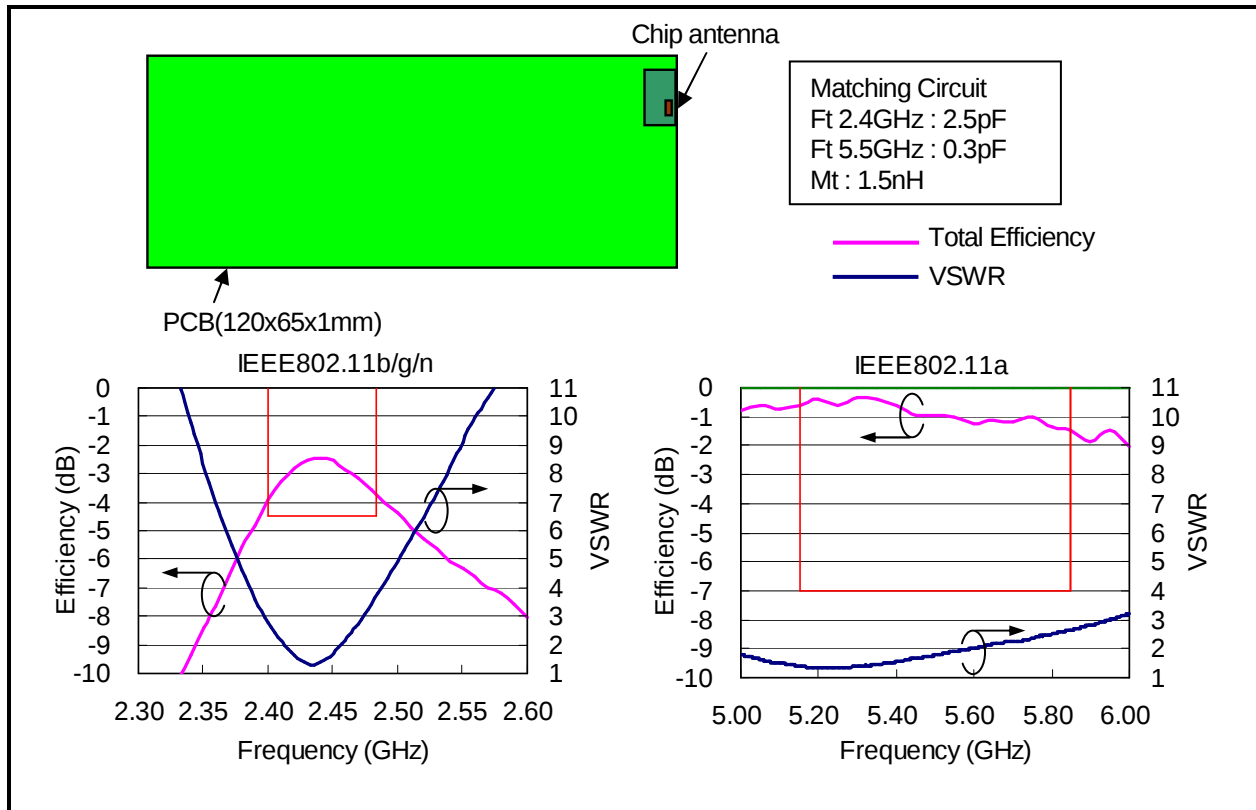
All specifications are subject to change without notice and are not guaranteed.

[RECOMMENDED PCB PATTERN]



All specifications are subject to change without notice and are not guaranteed.

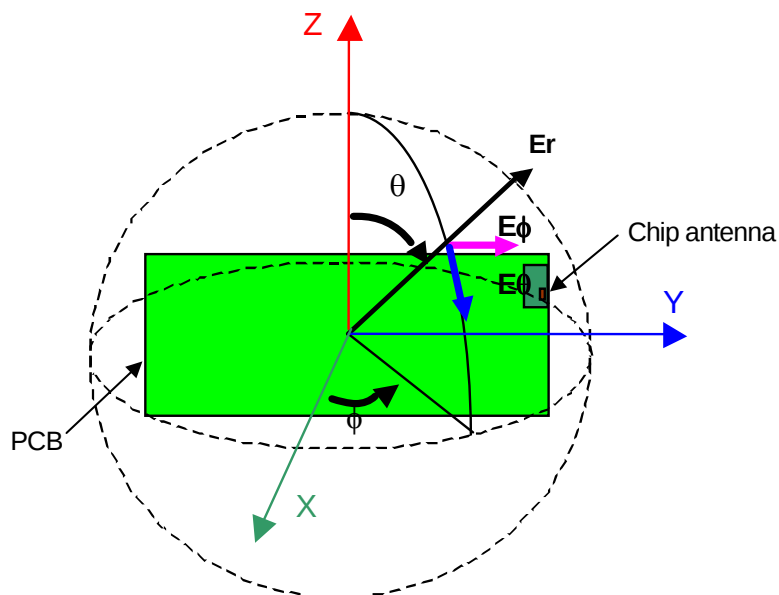
[EFFICIENCY AND VSWR]



Note: Tested antenna has been soldered. Evaluation board size is 120x65x1 mm

[RADIATION PATTERN]

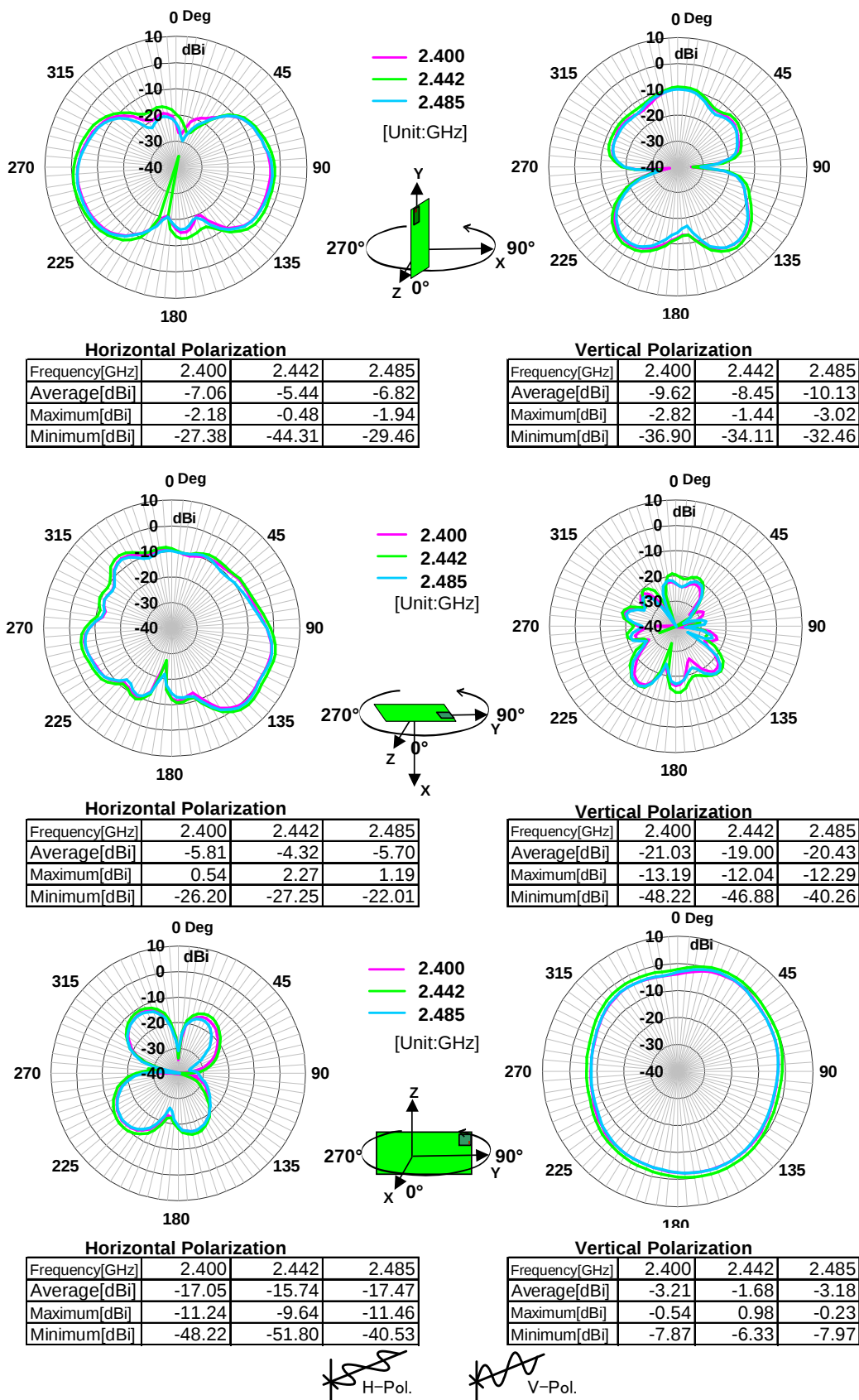
Measurement Method



Note: Tested antenna has been soldered. Evaluation board size is 120x65x1 mm

All specifications are subject to change without notice and are not guaranteed.

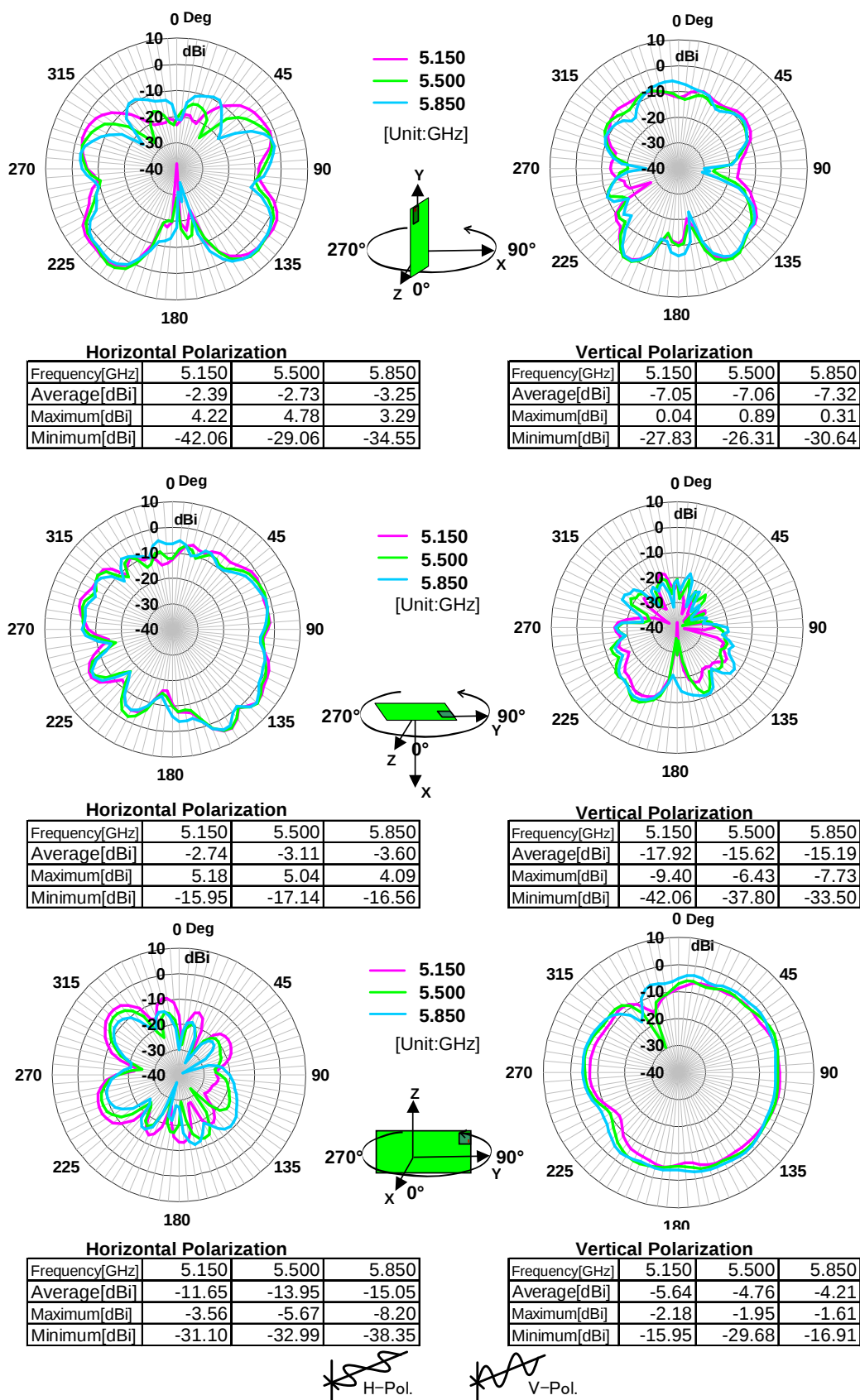
[RADIATION PATTERN - IEEE802.11b/g/n -]



Note: Tested antenna has been soldered. Evaluation board size is 120x65x1 mm

All specifications are subject to change without notice and are not guaranteed.

[RADIATION PATTERN - IEEE802.11a -]



Note: Tested antenna has been soldered. Evaluation board size is 120x65x1 mm
All specifications are subject to change without notice and are not guaranteed.

ENVIRONMENT INFORMATION

1. RoHS STATEMENT

ROHS Compliance

2. Non-Use of Halogen (Bromine and Chlorine)

The product does not include Halogens and their compounds based on the following definition.

- Bromine(Br) $\leq$ 900ppm*
- Chlorine(Cl) $\leq$ 900ppm*
- (Bromine(Br)+Chlorine(Cl) $\leq$ 1500ppm*)
(*Certain homogeneous materials)