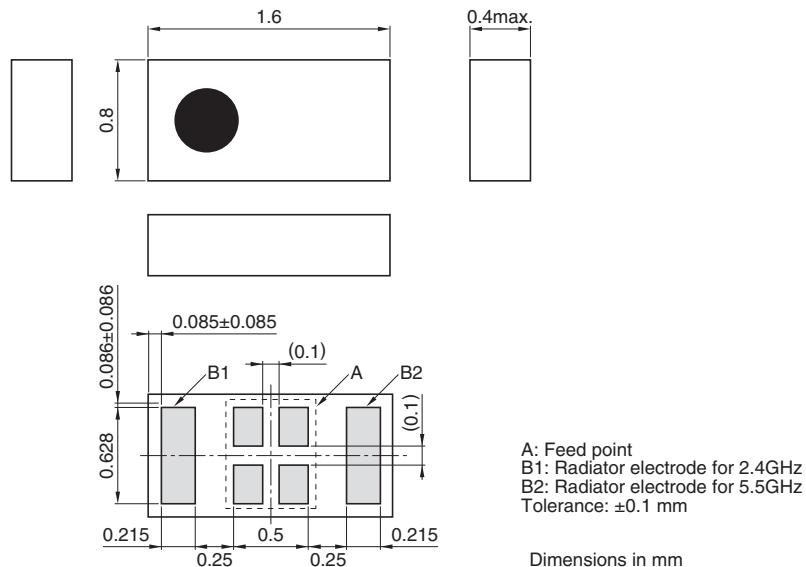


Conformity to RoHS Directive
Halogen-free

SHAPES AND DIMENSIONS

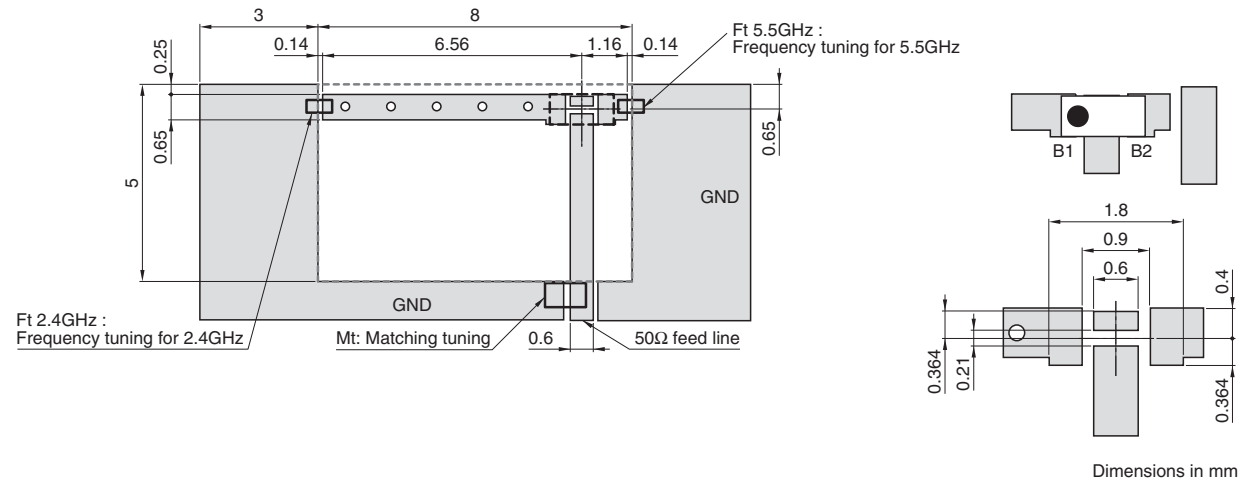


- 001-01 / 20130901 / rf ant ant016008lcd2442ma1 en

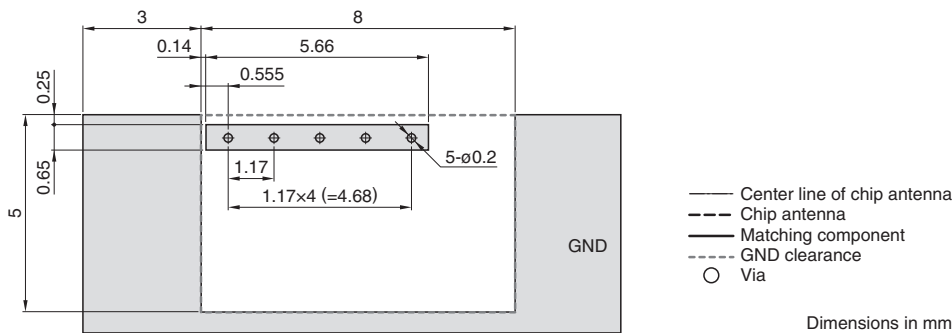
RECOMMENDED PC BOARD PATTERNS

ELECTRODE

Front side

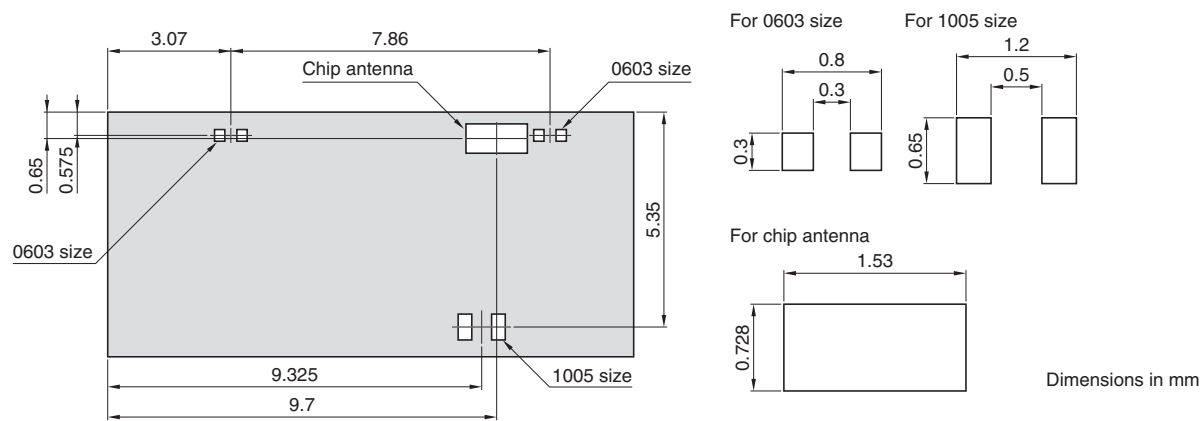


Back side

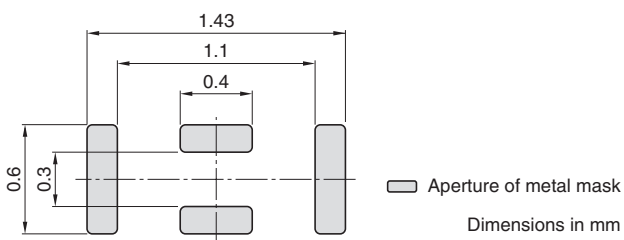


SOLDER RESIST

Front side



RECOMMEND APERTURE SIZE OF METAL MASK FOR SOLDER PRINTING



ELECTRICAL CHARACTERISTICS

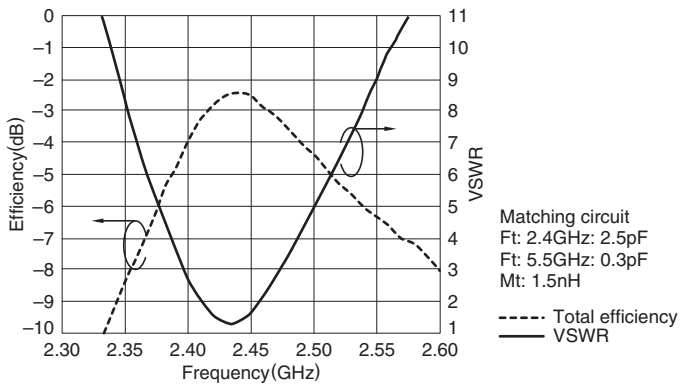
Center frequency (F _{11b/g/n} , F _{11a})	F _{11b/g/n} 2442MHz, F _{11a} 5500MHz
Band width(BW) (F _{11b/g/n} , F _{11a})	F _{11b/g/n} ± 42 MHz, F _{11a} ± 350 MHz
VSWR (at BW) (F _{11b/g/n} , F _{11a})	F _{11b/g/n} 6.5max. F _{11a} 4max.
Polarization	Linear
Impedance	50 Ω
PCB size	120×65×1.0mm
Temperature range	Operating Storage
	-40 to +85°C -40 to +85°C

• This is typical antenna performance with the standard PCB.

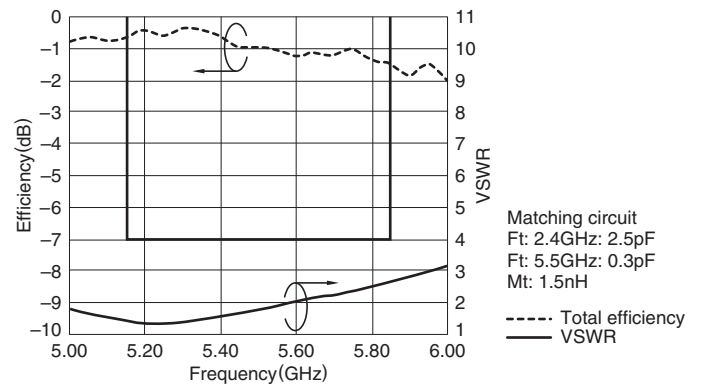
FREQUENCY CHARACTERISTICS

EFFICIENCY AND VSWR

IEEE802.11b/g/n



IEEE802.11a



RADIATION PATTERNS

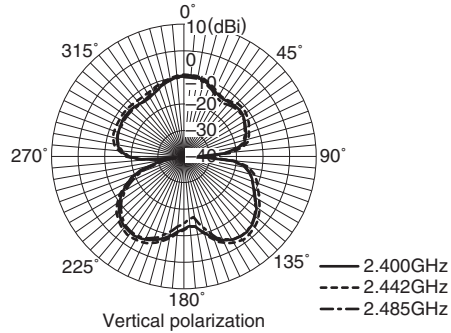
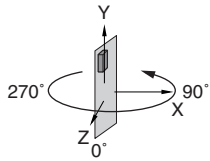
IEEE802.11b/g/n

Directivity angle

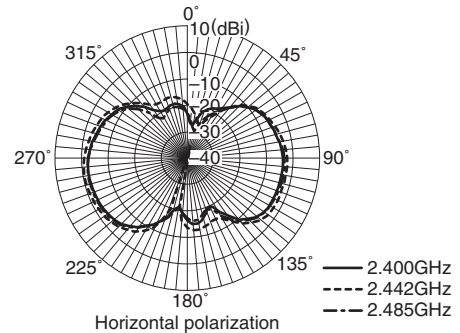
Vertical polarization



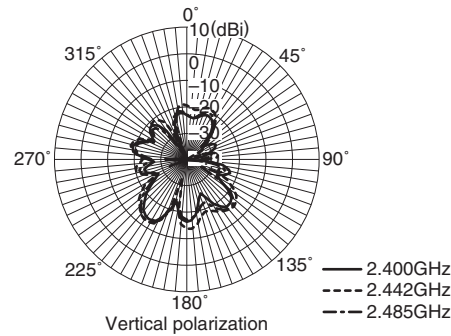
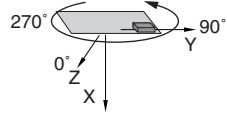
Horizontal polarization



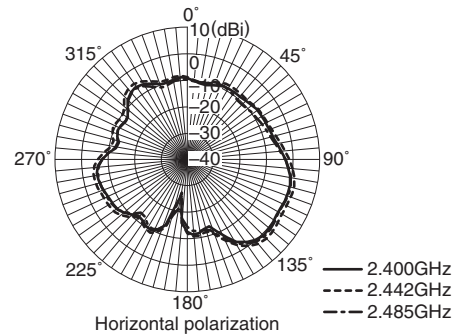
Frequency(GHz)	2.400	2.442	2.485
Average(dBi)	-9.62	-8.45	-10.13
Maximum(dBi)	-2.82	-1.44	-3.02
Minimum(dBi)	-36.90	-34.11	-32.46



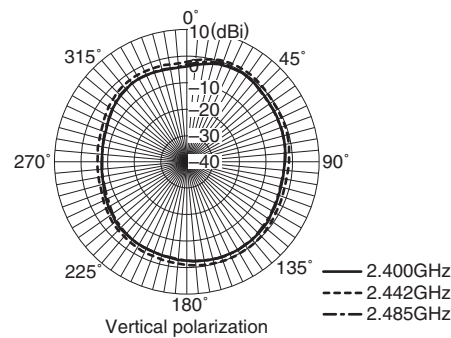
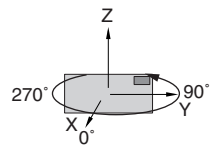
Frequency(GHz)	2.400	2.442	2.485
Average(dBi)	-7.06	-5.44	-6.82
Maximum(dBi)	-2.18	-0.48	-1.94
Minimum(dBi)	-27.38	-44.31	-29.46



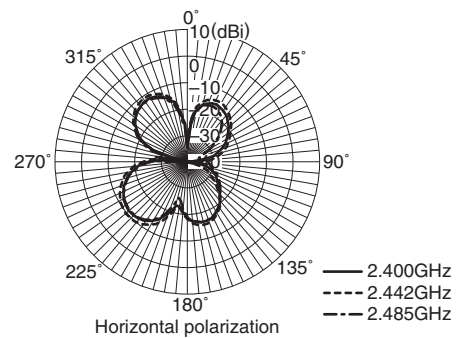
Frequency(GHz)	2.400	2.442	2.485
Average(dBi)	-21.03	-19.00	-20.43
Maximum(dBi)	-13.19	-12.04	-12.29
Minimum(dBi)	-48.22	-46.88	-40.26



Frequency(GHz)	2.400	2.442	2.485
Average(dBi)	-5.81	-4.32	-5.70
Maximum(dBi)	0.54	2.27	1.19
Minimum(dBi)	-26.20	-27.25	-22.01



Frequency(GHz)	2.400	2.442	2.485
Average(dBi)	-3.21	-1.68	-3.18
Maximum(dBi)	-0.54	0.98	-0.23
Minimum(dBi)	-7.87	-6.33	-7.97



Frequency(GHz)	2.400	2.442	2.485
Average(dBi)	-17.05	-15.74	-17.47
Maximum(dBi)	-11.24	-9.64	-11.46
Minimum(dBi)	-48.22	-51.80	-40.53

- Tested antenna has been soldered. Evaluation board size is 120×65×1 mm.

RADIATION PATTERNS

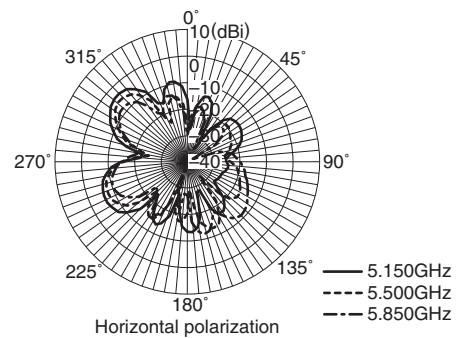
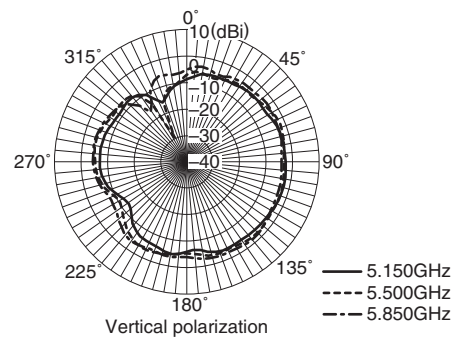
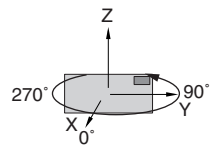
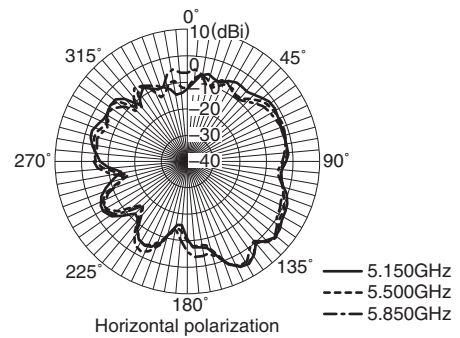
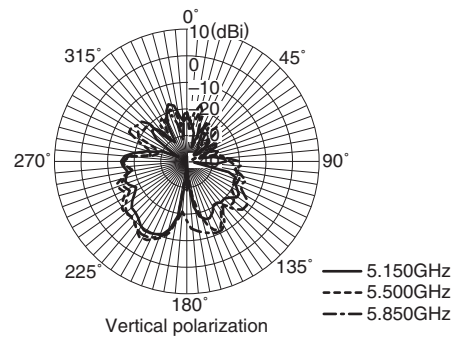
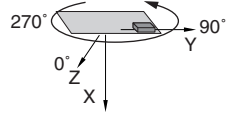
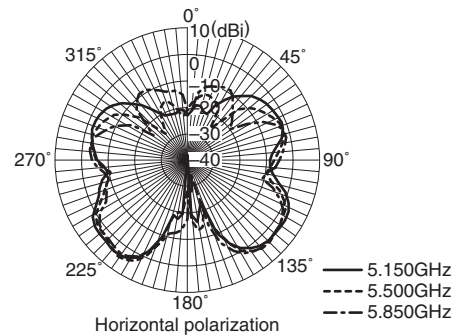
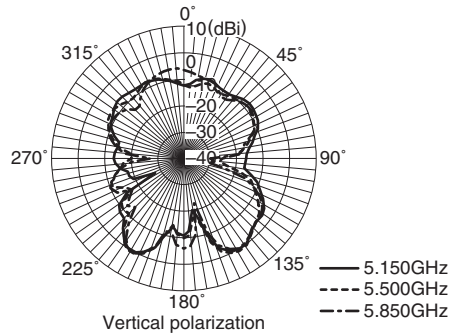
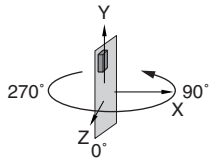
IEEE802.11a

Directivity angle

Vertical polarization



Horizontal polarization



• Tested antenna has been soldered. Evaluation board size is 120×65×1 mm.

• All specifications are subject to change without notice.