

Bluetooth Chip Antenna For ISM 2.4 GHz Applications

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◆ Part number : ADSBTM0802-A00

Specification

Frequency	2400 ~ 2484 MHz
VSWR	3.0 max
Peak Gain	-0.5 dBi min
Radiation Pattern	Omni-directional
Input Impedance	50 ohm

<Typical Test Board>

- Ground size : 50 X 40 mm

Dimensions

Size: 8(L) by 2(w) by 1.2(t) mm

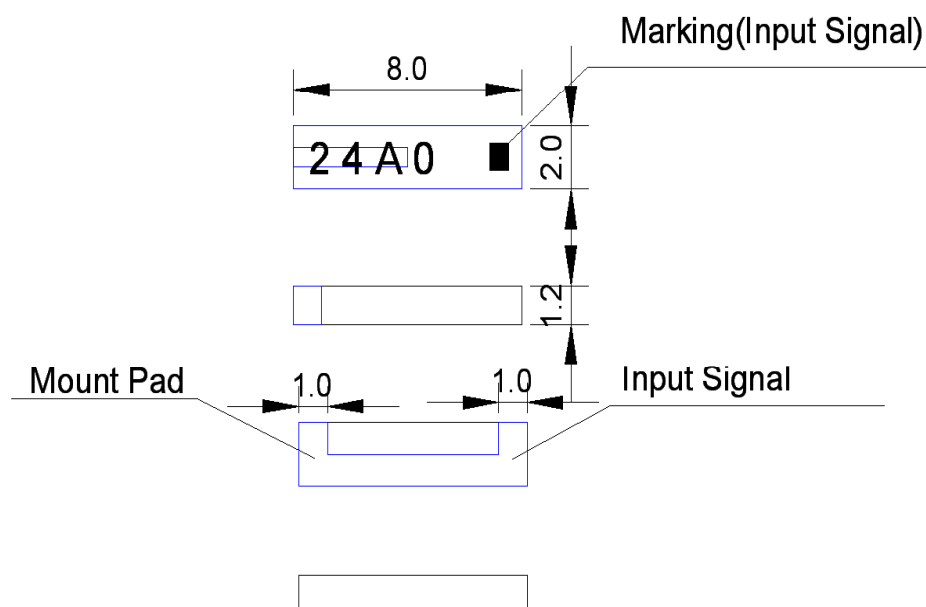
(Tolerance : +/- 0.1 mm)

[TOP]

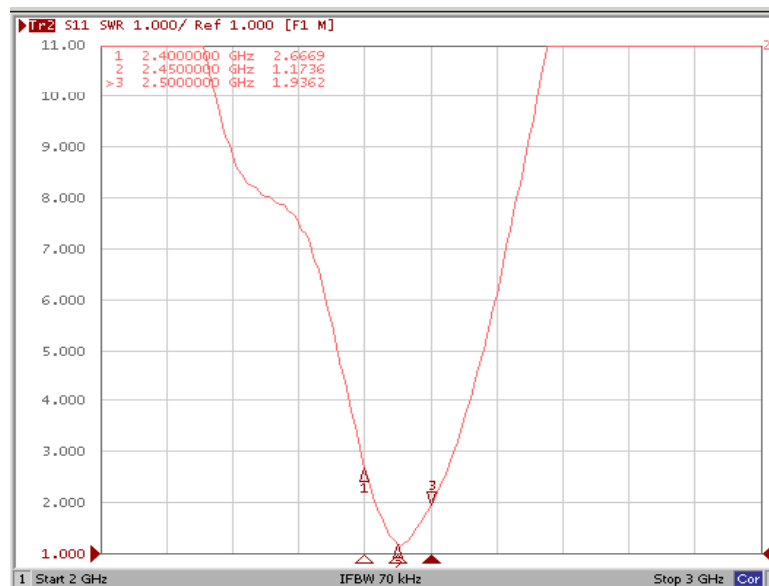
[SIDE 1]

[BOTTOM]

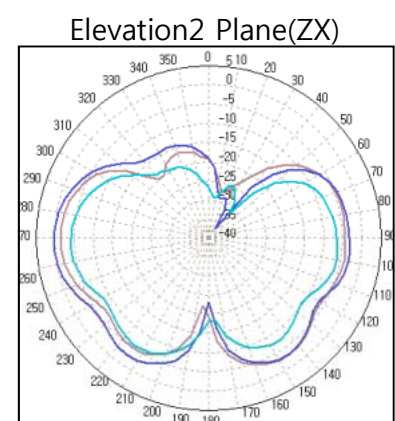
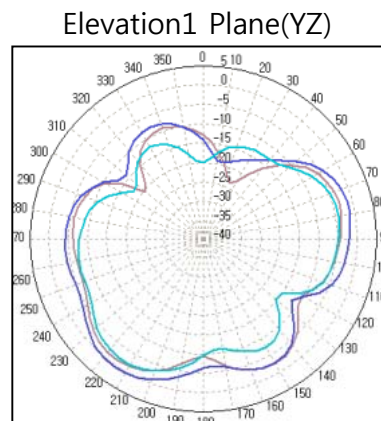
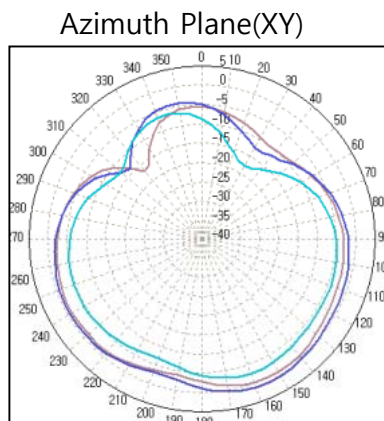
[SIDE 2]



VSWR on Evaluation Board



Gain on Evaluation Board (2D)

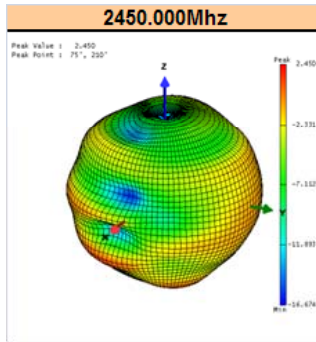


(unit : dBi)

Frequency (MHz)	Azimuth Plane(XY)	Elevation1 Plane(YZ)	Elevation2 Plane(ZX)
	Peak Gain	Peak Gain	Peak Gain
2400	0.0	-1.2	-1.4
2450	1.2	0.4	0.3
2500	-2.5	-2.0	-4.1



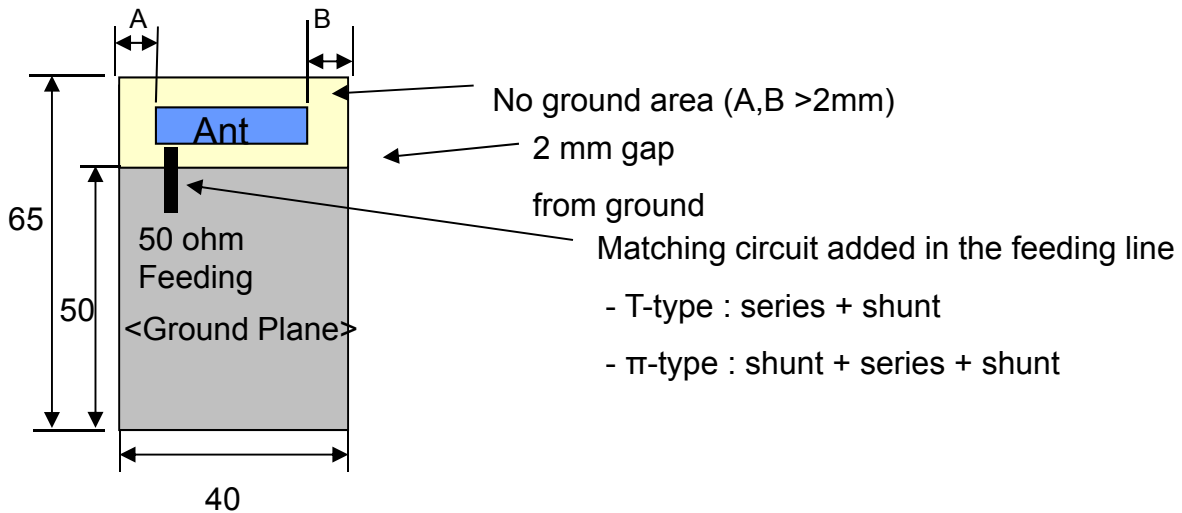
Gain on Evaluation Board (3D)



(unit : dBi)

Frequency (MHz)	3D Data	
	Peak Gain	Avg. Gain
2400	1.0	-3.1
2450	2.4	-1.8
2500	-1.4	-5.5

Typical Test Board



Recommended Pad Layout

