

PRELIMINARY

2.45 GHz Antenna

P/N 2450AT42D0100

Detail Specification: 11/12/07

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General Specifications

Part Number	2450AT42D0100
Frequency Range	2400 - 2500 Mhz
Peak Gain	0.5 dBi typ. (XZ-total)
Average Gain	-2.0 dBi typ. (XZ-total)
Return Loss	6.0 dB min.

Input Power	3W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quantity	2,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

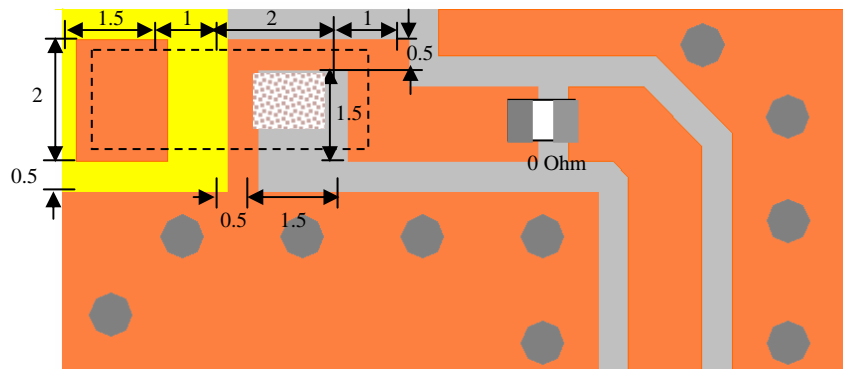
	In	mm	
L	0.197 ± 0.008	5.00 ± 0.20	
W	0.079 ± 0.008	2.00 ± 0.20	
T	0.118 +.004/-0.008	3.00 +0.1/-0.2	
a	0.020 ± 0.012	0.50 ± 0.30	

Mounting Considerations

Mount these devices with brown mark facing up. Units: mm

* Line width should be designed to provide 50 Ω impedance matching characteristics.

Without Matching Circuit



(Matching circuit and component values will be different, depending on PCB layout)

Johanson Technology, Inc. reserves the right to make design changes without notice.

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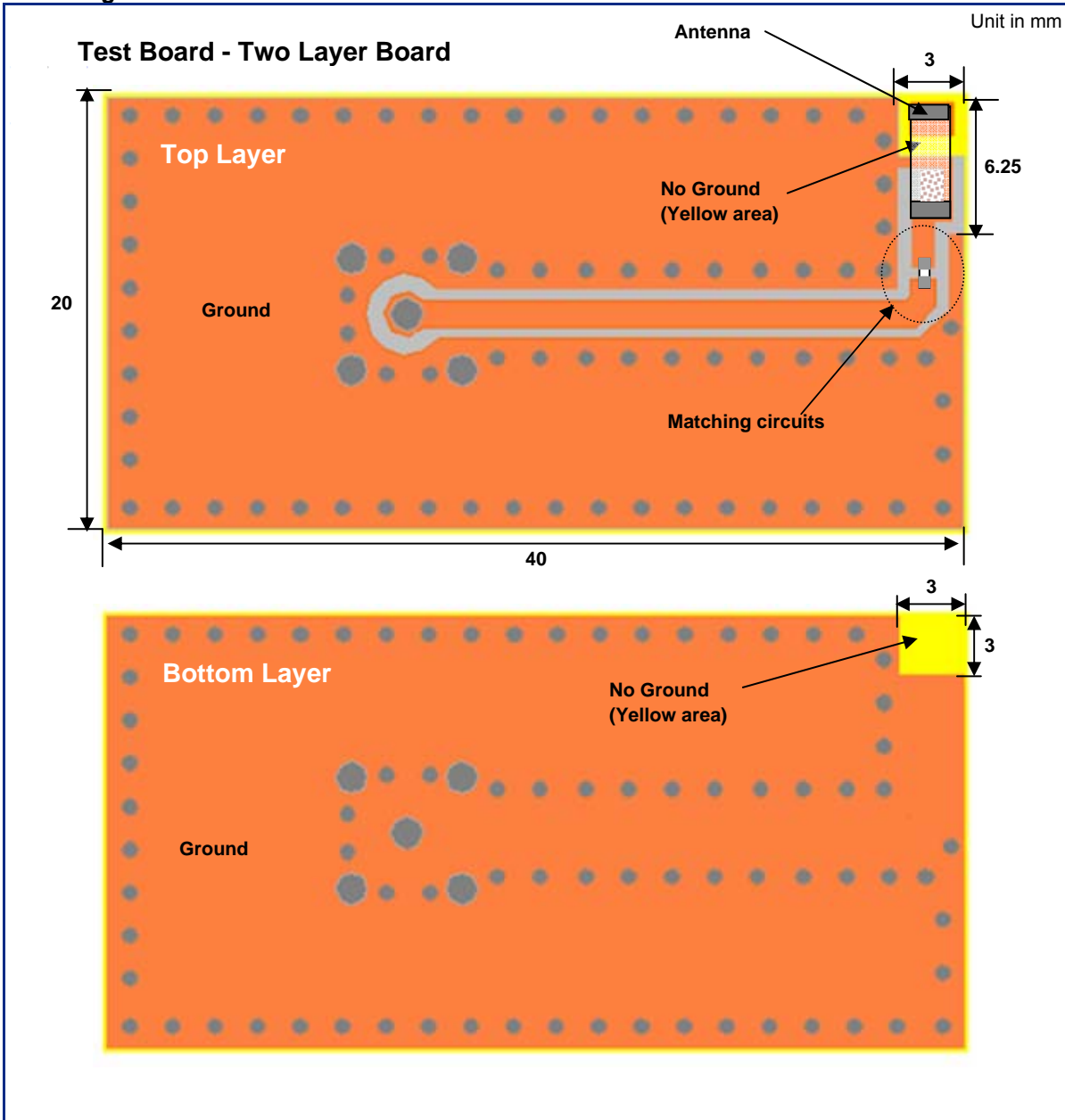
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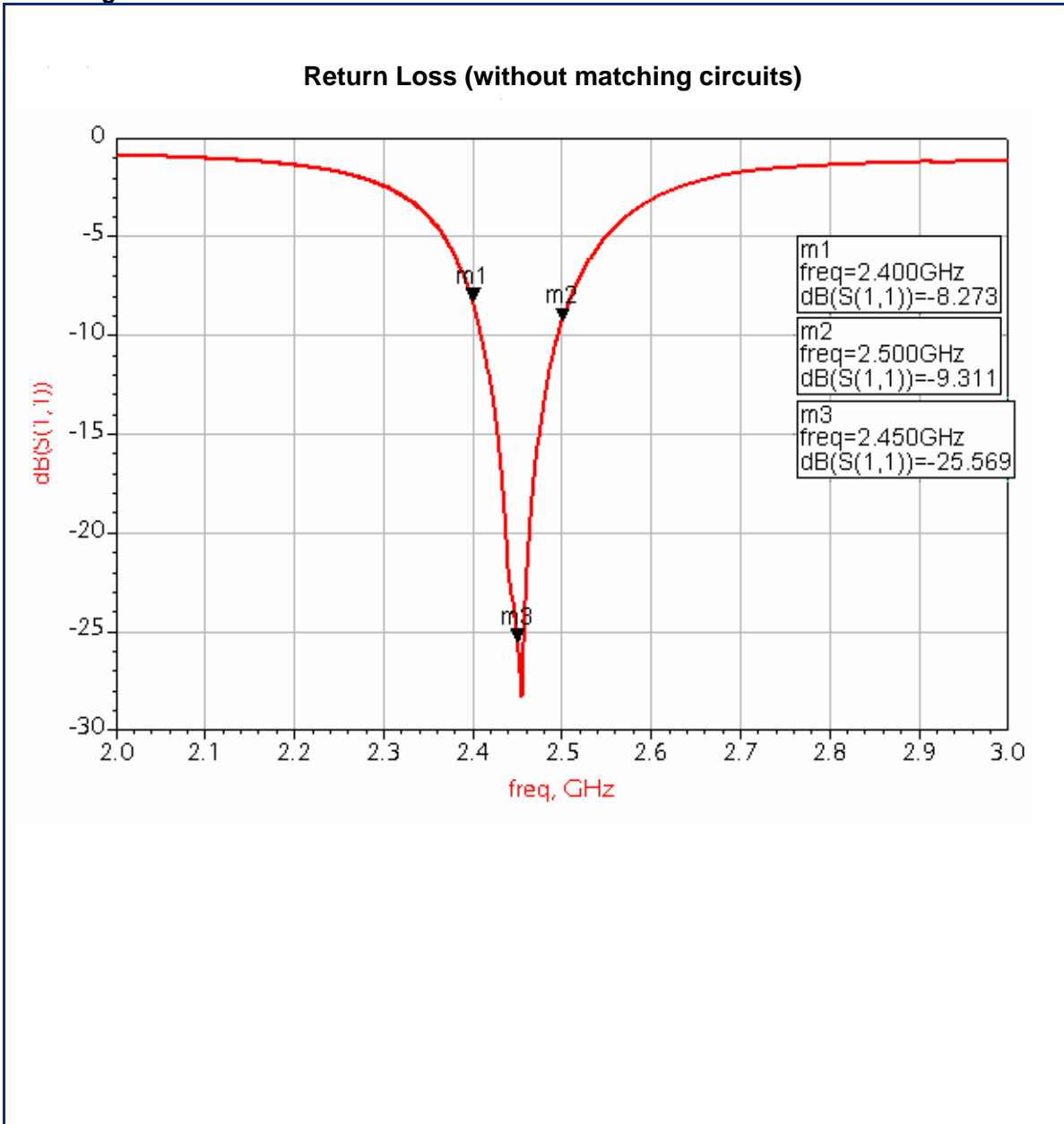
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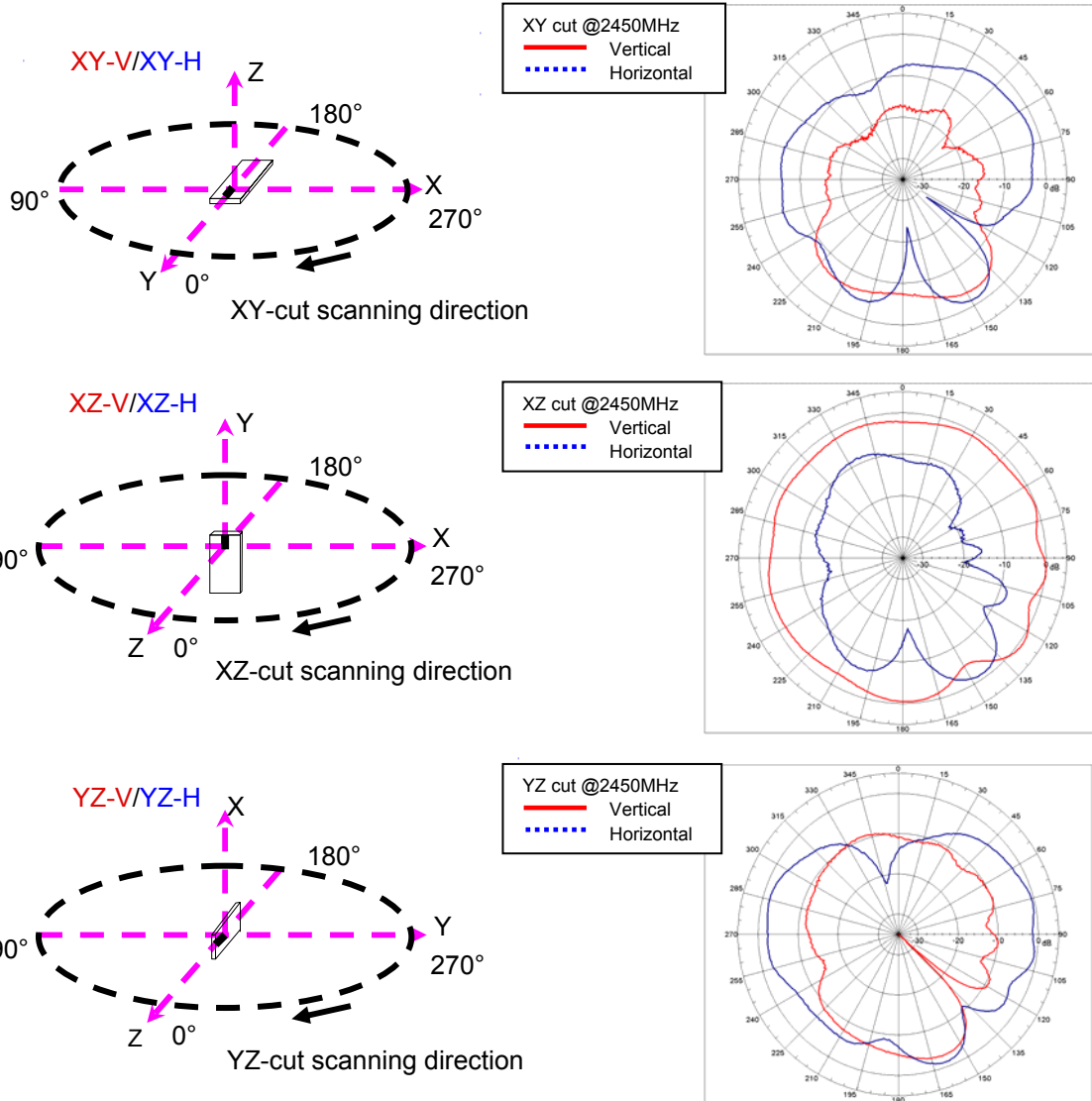
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Typical Radiation Patterns



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