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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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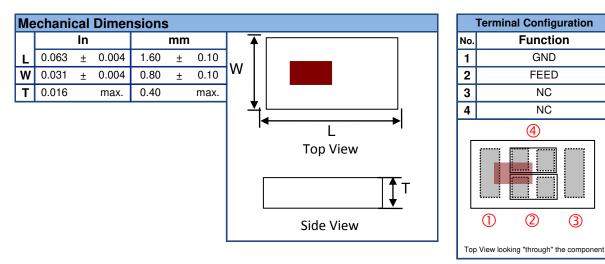


#### **802.11 Dual Band 2.45/5 GHz Mini Chip Antenna. WiFi, Wireless LAN, I P/N 2450AD14A5500** Detail Specification: 10/26/2017 Page 1 of 6

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General Specifications			Let us help you with the antenna design, optimization, and tuning!		
Part Number	2450AD	14A5500	www.johansontechnology.co	om/ipc-antenna-services	
Frequency (MHz)	2400 - 2480	5150 - 5850			
Ave. Rad Efficiency	60%	80%			
Peak Gain (dBi typ.)	1.0 dBi typ. (XZ-Total)	4.0 dBi typ. (XZ-Total)	🔷 🔗 🍐		
Average Gain (dBi typ.)	-3.5 dBi typ. (XZ-Total)	-2.5 dBi typ. (XZ-Total)	Storage Period	18 months max.	
· · · ·	6 min.	6 min.		-40 to +85°C	
Return Loss (dB)	o min.	6 mm.	Storage Temperature	-40 10 +65 0	
Impedance	50	Ω	Operating Temperature	-40 to +85°C	
Input Power	2 Watts n	nax. (CW)	Reel Quantity	4000	

Part Numbe	r Explanation			
		Bulk (loose)	Suffix = S	e.g. 2450AD14A5500S
P/N Suffix	Packing Style	T&R	Suffix = T	e.g. 2450AD14A5500T
		100% Tin	Suffix = T or S	e.g. 2450AD14A5500(T or S)
	Evaluation Board	2450AD14A550	0-EB1SMA & 2450A	AD14A5500-EB2SMA



If you'd like the complete datasheet which includes detailed gain performance, layout guidelines, application notes, small WiFi application layout, send us as message at:

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As a bonus, you'll be assigned an RF Engineer to assist you in the design for free!

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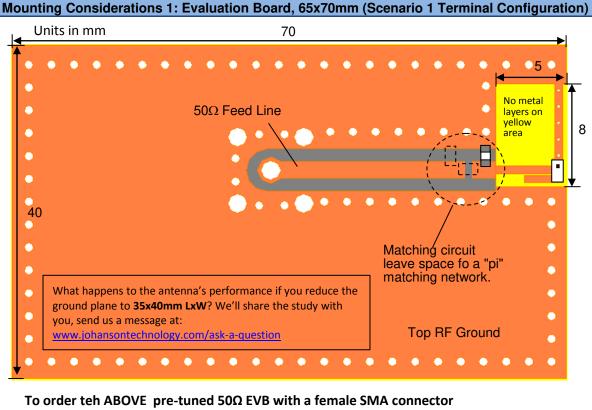
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**802.11 Dual Band 2.45/5 GHz Mini Chip Antenna. WiFi, Wireless LAN, IoT P/N 2450AD14A5500** Detail Specification: 10/26/2017 Page 2 of 7

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Would you like the layout file of the above? Have antenna tuning issues? Please contact us if you have any questions regarding the implementation of this antenna in your PCB's layout. We'll be happy to guide you to maximize the antenna's performance. Contact our applications engineers at:

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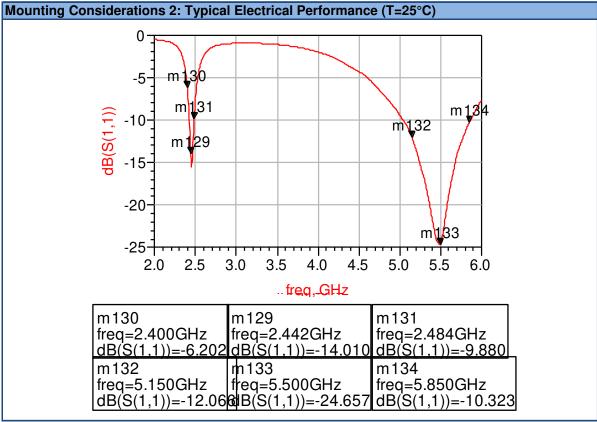
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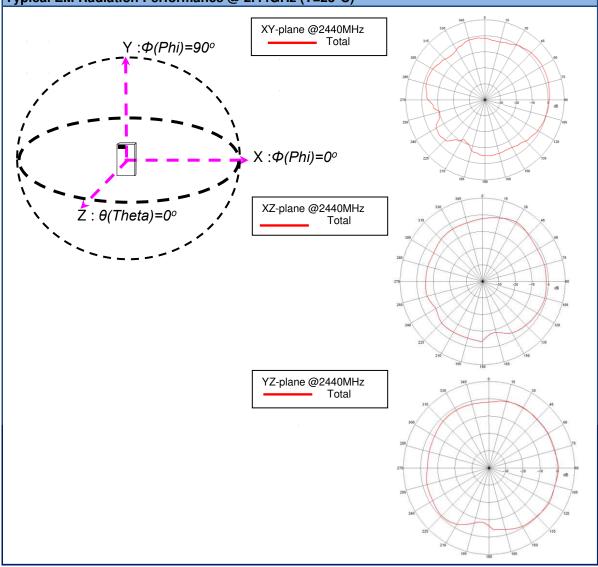
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#### Typical EM Radiation Performance @ 2.44GHz (T=25°C)

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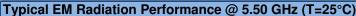
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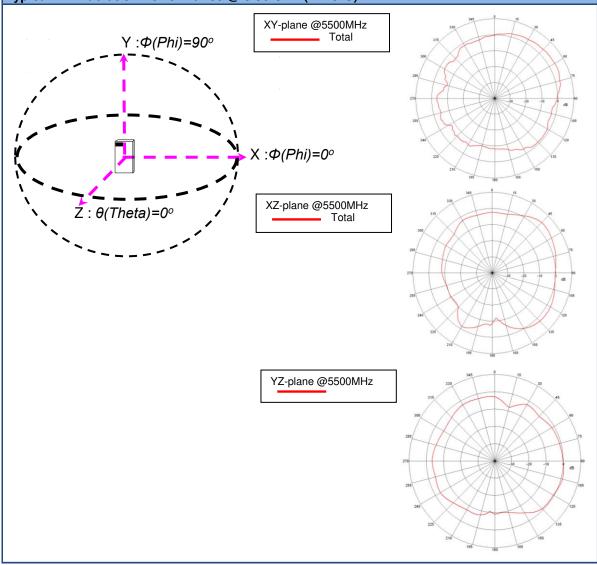
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