Product specification

Quick Reference Date

	Antenna module on the system board	
Antenna type	PCB	
Frequency	2 45GHz*1	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-2.3 (Input pwr ?loss pwr)	
Peak EIRP(dBm)	1.3	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	-2.3 (58.5%)	
Gain (dBi)	1.7 (Peak Gain X Z-plane)	
Maximum Power (dBm)	1.3 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Max/Min Ratio (dB)	5.3(XY-plane)	
Max/Avg Ratio (dB)	1 8(XY-plane)	
Min/Avg Ratio (dB)	-3 5(XY-plane)	
Average Gain (dB)	-0.5 (Avg Gain XY-plane)	
		*:1

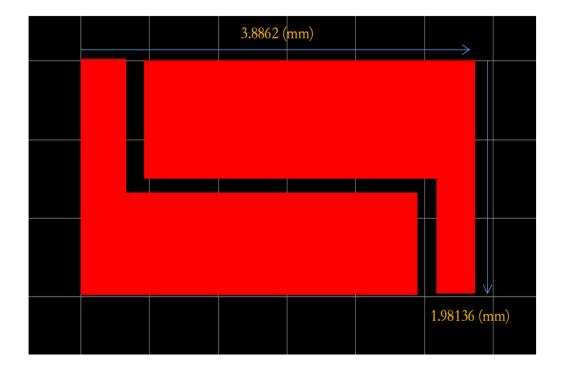
All the technical data and information contained herein are subject to change without prior notice

Antenna Gain

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.3	-0.5	1.7	-3.8	LI	-3.0	58.5%

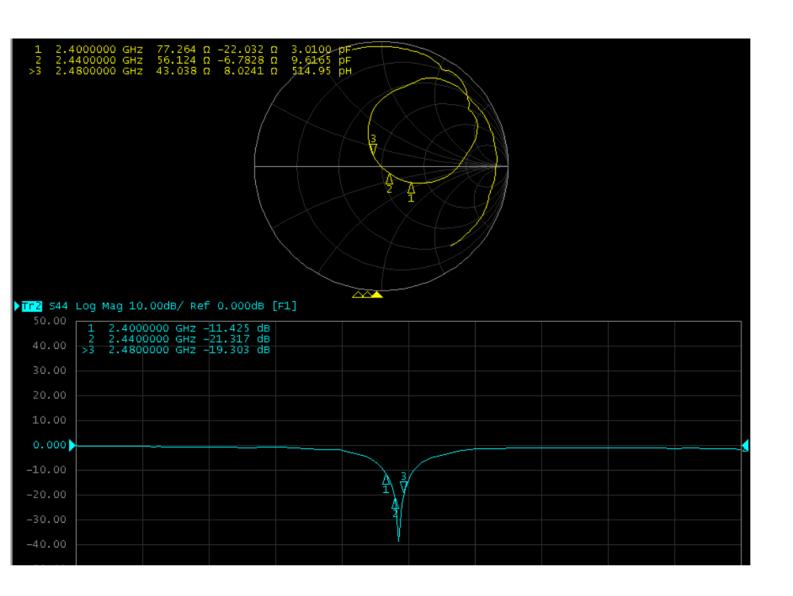
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$ANGLES = \pm$	$HOLEDIA = \pm$			
SCALE: N/A	UNIT: mm	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY		
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Antenna Layout & module on the system board

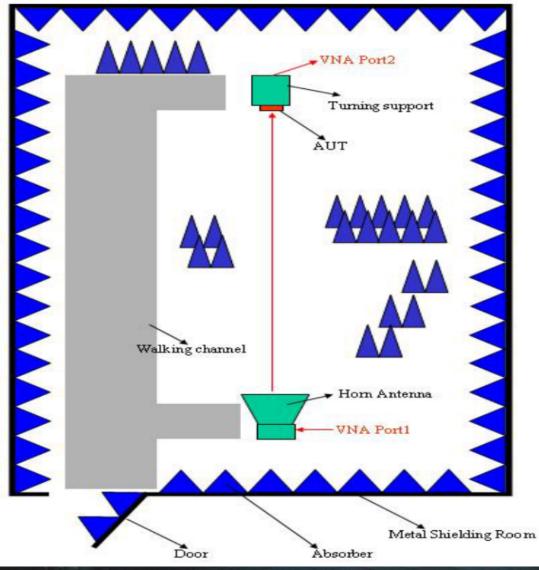


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Return Loss



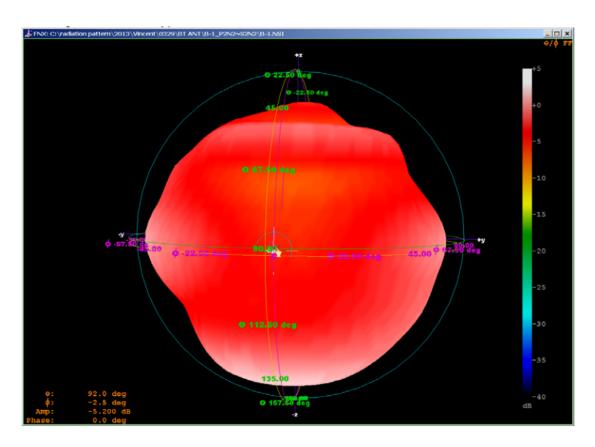
The Environment of Antenna Radiation Pattern



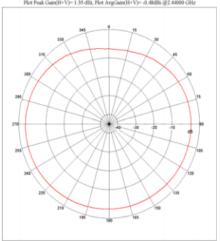


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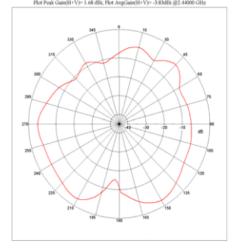
3D radiation pattern diagram

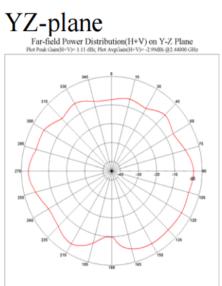


XY-plane Far-field Power Distribution(H+V) on X-Y Plane Plot Peak Gain(H+V)- 134 dbi; Plot AvgGain(H+V)- 0.84dBi @2.4400 GBi.



XZ-plane
Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)- 1.68 dlls; Plot AvgGain(H+V)- 3.88dlls @2.4000 GHz





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