

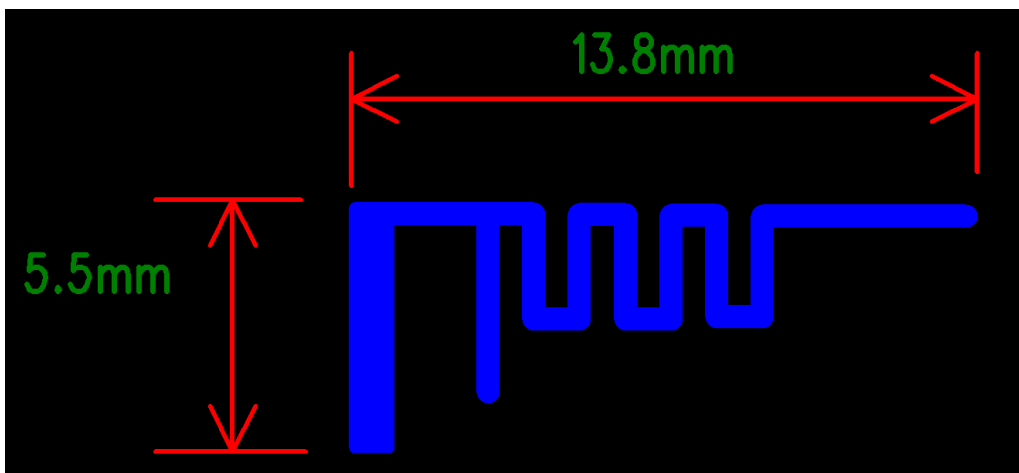
Product specification

Quick Reference Date

	Antenna module on the system board
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)	1.7
Directivity (dBi)	1 (all direction antenna)
Efficiency (dB)	-2.3 (58.5%)
Gain (dBi)	1.7 (Peak Gain XY-plane)
Maximum Power (dBm)	1.7 (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)
Antenna Type	PCB Antenna
Manufacturer	PowerStick.com Inc.
Address	39 Camelot Drive, Ottawa, Ontario, Canada, K2G 5W6

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

Antenna Layout & module on the system board

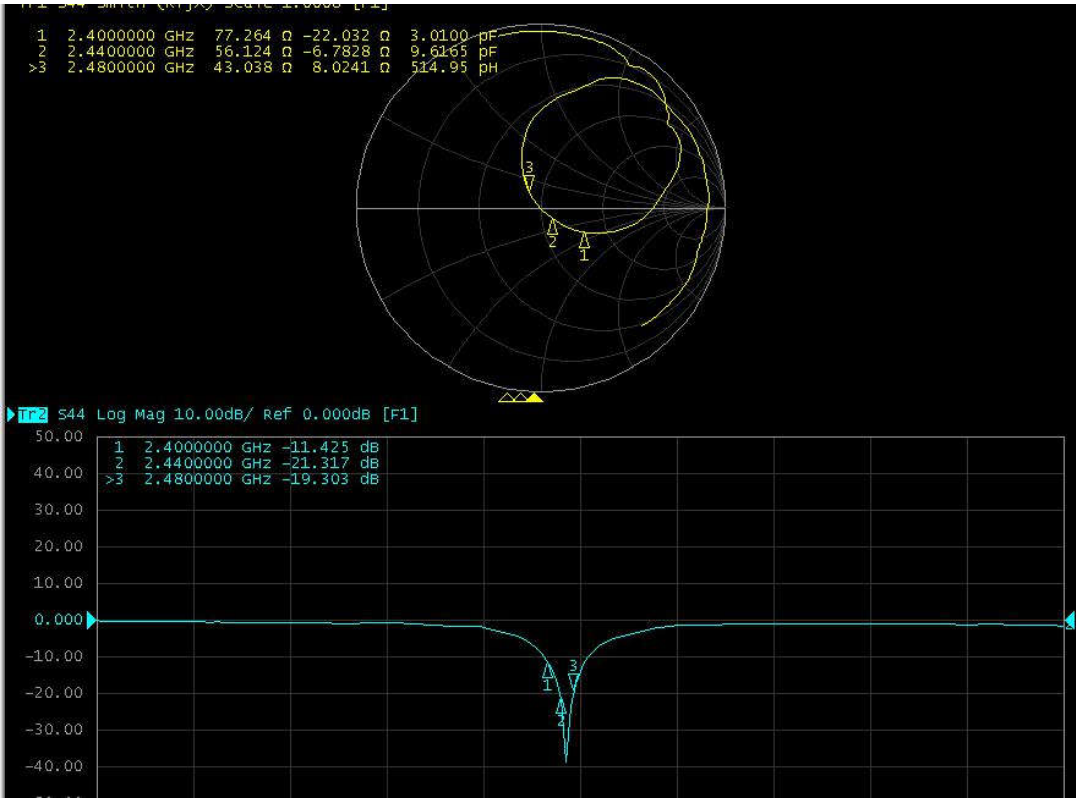


Antenna Gain

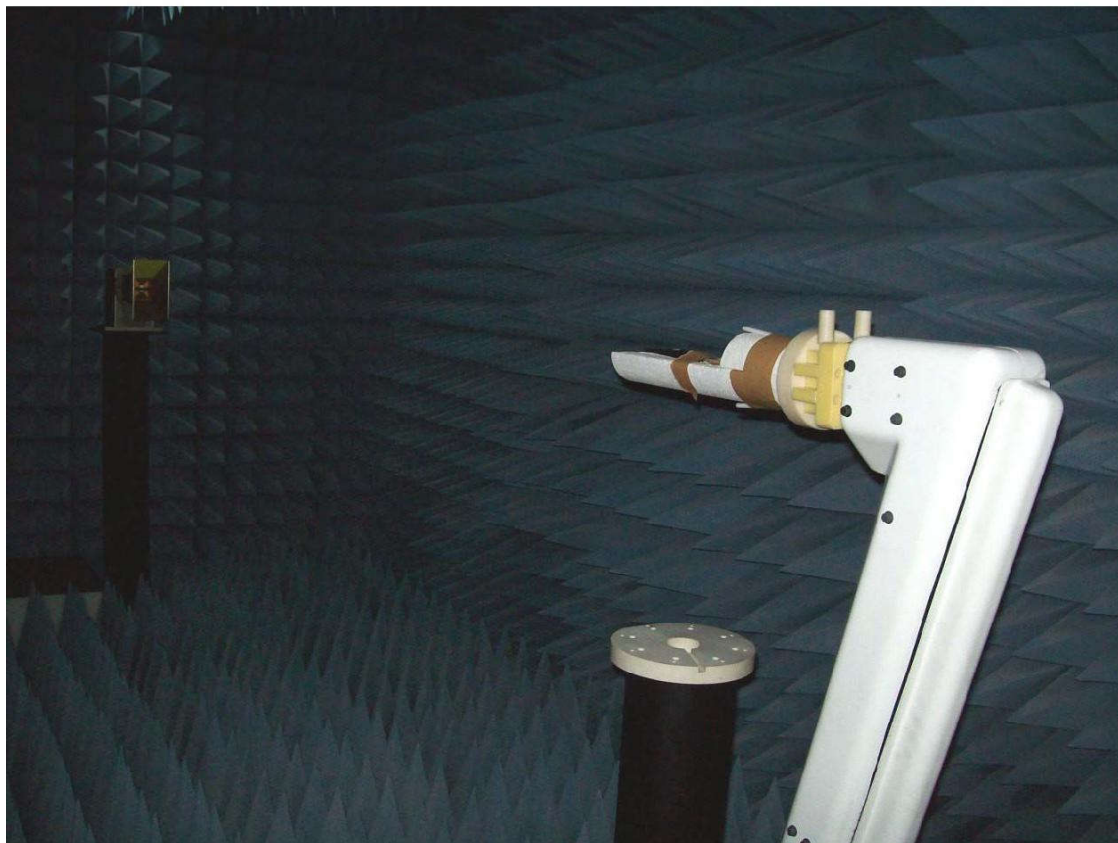
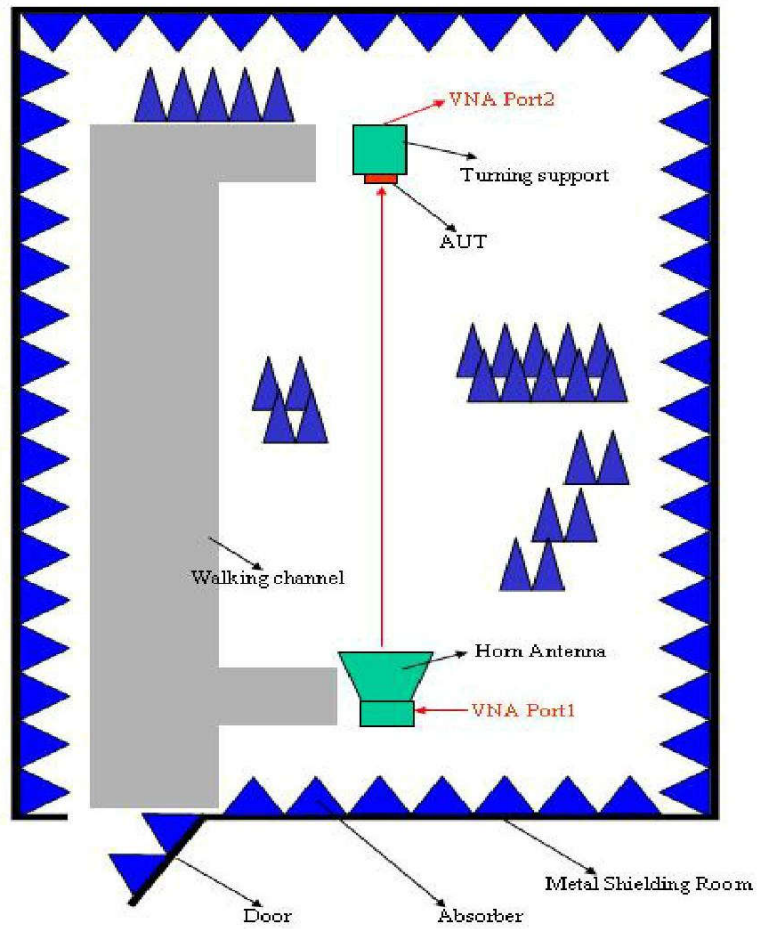
Gain Table

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	1.1	-3.0	58.5%

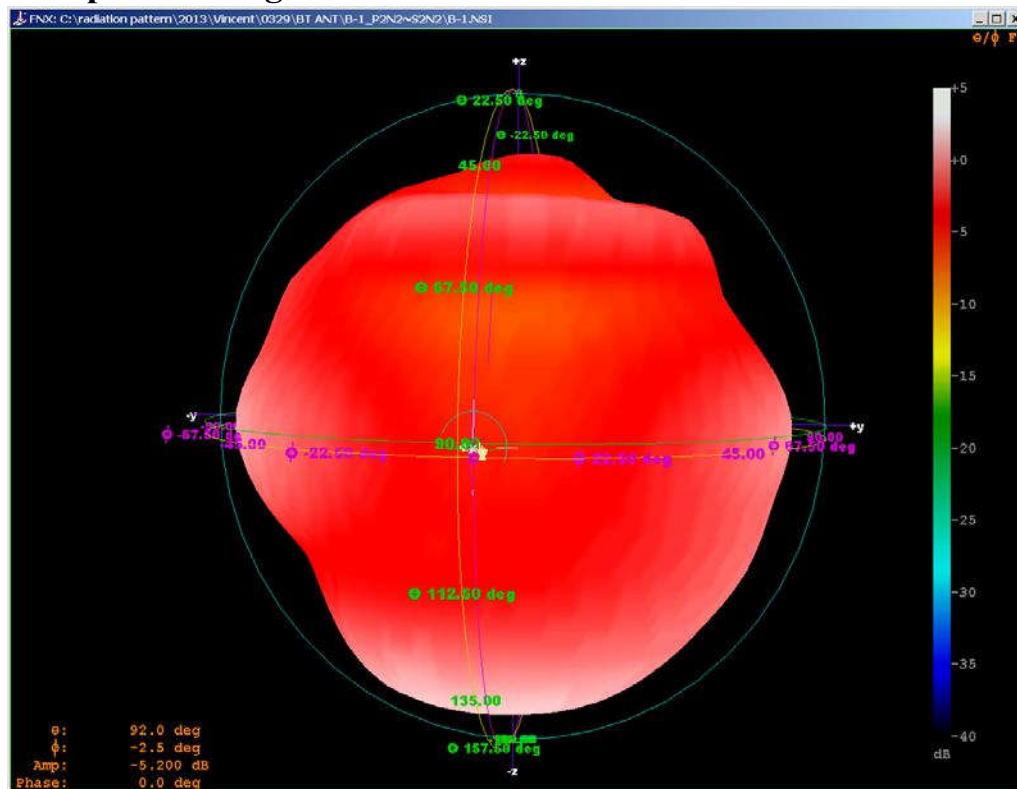
Return Loss



The Environment of Antenna Radiation Pattern



3D radiation pattern diagram



XY-plane

XZ-plane

YZ-plane