

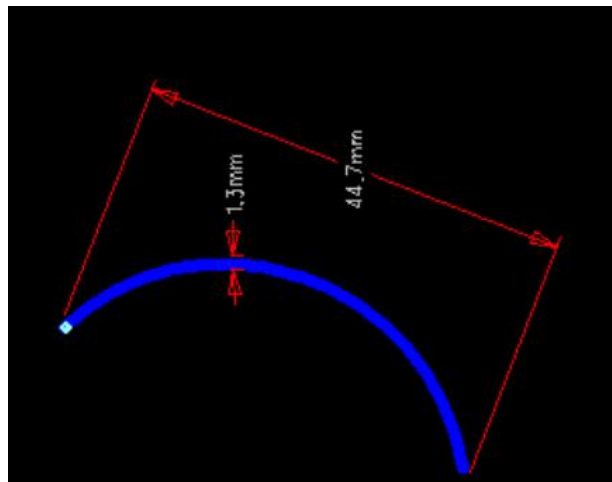
Product specification

Quick Reference Data

	Antenna module on the system board	
Frequenc Range	868 ~ 926MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr – loss pwr)	
Peak EIRP(dBm)	1.2	
Directivity (dBi)	1	
Efficiency (dB)	58.3 %	
Gain (dBi)	1.9 (Avg Gain XZ-plane)	
Maximum Power (dBm)	1.7 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Input Impendence(ohm)	50	
Polarization Type	Vertical & Horizontal	
V . S . W . R	< 1.4	

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

Antenna Layout & module on the system board

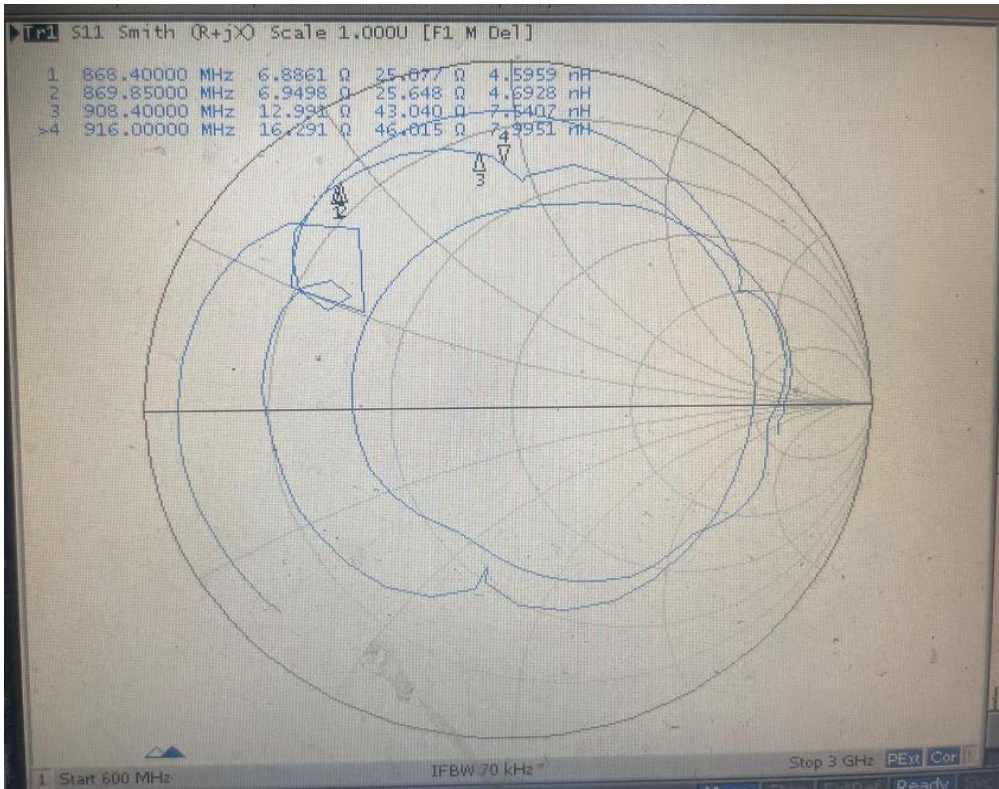
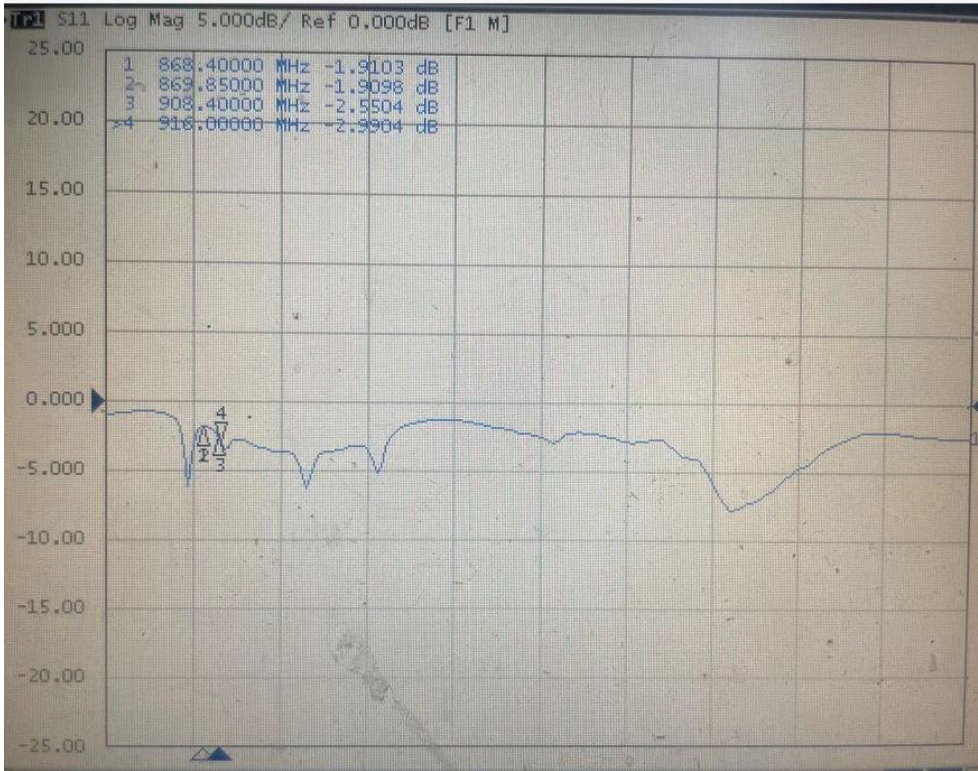


Gain Table

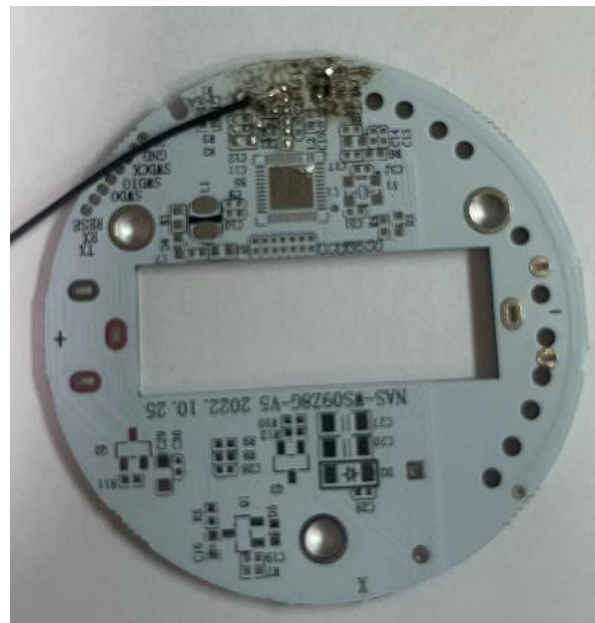
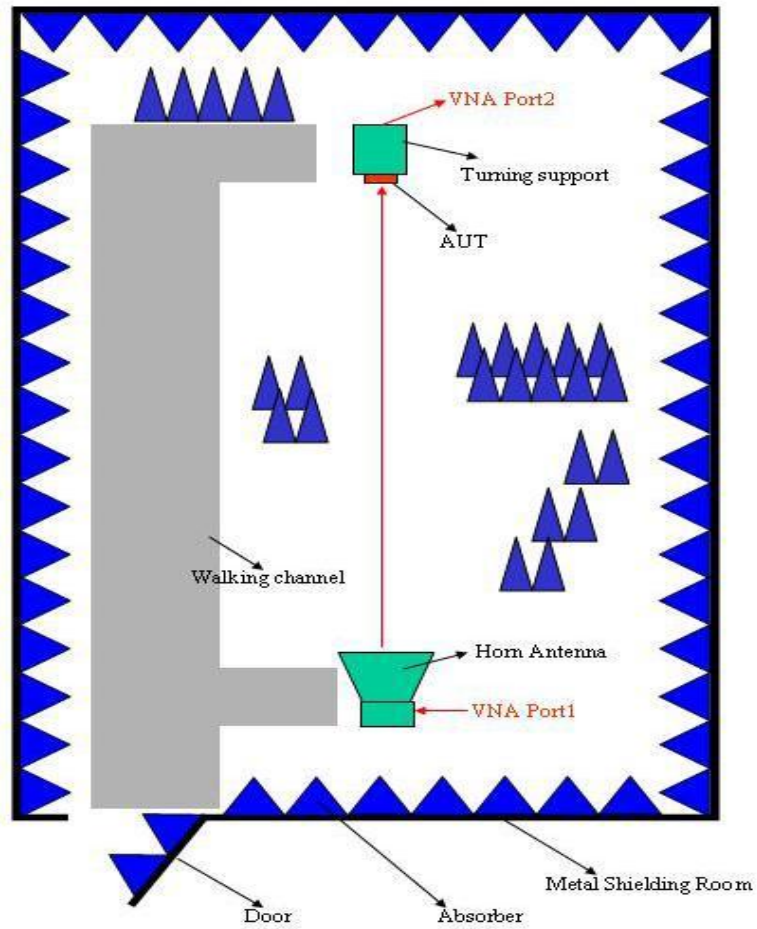
Antenna Gain

nit in dBi @908MHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak		Peak	Avg.	
Module Board	1.2	-0.5	1.9	-3.6	1.1	-3.0	58.3%

Return Loss



The Environment of Antenna Radiation Pattern



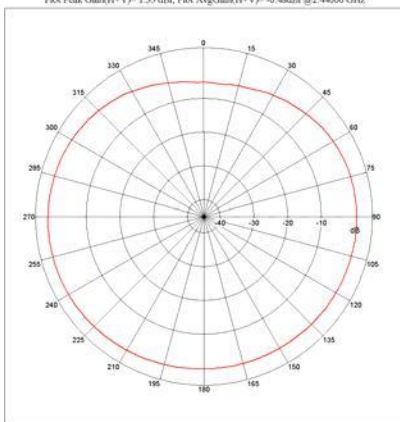
F:\C:\radiation pat\2013\Vincent\0329\BT ANT\B-1_P2N2~S2N2\B-1.NSI

+5
+0
-5
-10
-15
-20
-25
-30
-35
-40
dB

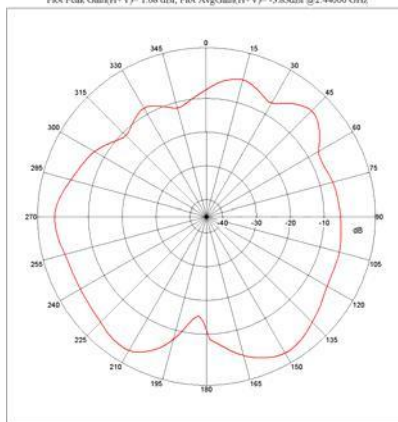
22.50 deg
22.50 deg
45.00
67.50 deg
80.00
92.00
112.50 deg
135.00
157.50 deg
180.00
202.50 deg
225.00
247.50 deg
270.00
292.50 deg
315.00
337.50 deg
360.00

92.0 deg
-2.5 deg
Amp: -5.200 dB
Phase: 0.0 deg

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.35 dBi; Plot AvgGain(H+V)= -0.48dBi @2.44000 GHz



Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.68 dBi; Plot AvgGain(H+V)= -3.83dBi @2.44000 GHz



Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.11 dBi; Plot AvgGain(H+V)= -2.99dBi @2.44000 GHz

