

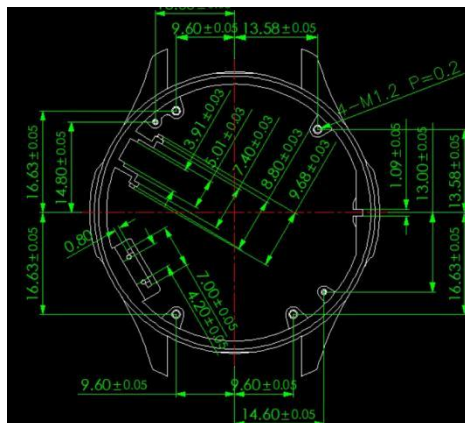
Product specification

Quick Reference Date

	Mid-frame loop antenna	
Frequenc Range	2400 ~ 2500GHz	
Ant. Port Input Pwr. (dBm)	12 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	1.8 (Input pwr – loss pwr)	
Peak EIRP(dBm)	8.2	
Directivity (dBi)	-7 (all direction antenna)	
Efficiency (dB)	8.28 %	
Gain (dBi)	-7.1(Avg Gain XY-plane)	
Maximum Power (dBm)	9.9 (XY-plane)	
Minimum Power (dBm)	-11(XY-plane)	
Avg. Power (dBm)	-0.8(XY-plane)	
Input Impendence(ohm)	50	
Polarization Type	Vertical & Horizontal	
V. S .W. R	< 2	

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

Antenna Layout & Mid-frame loop antenna

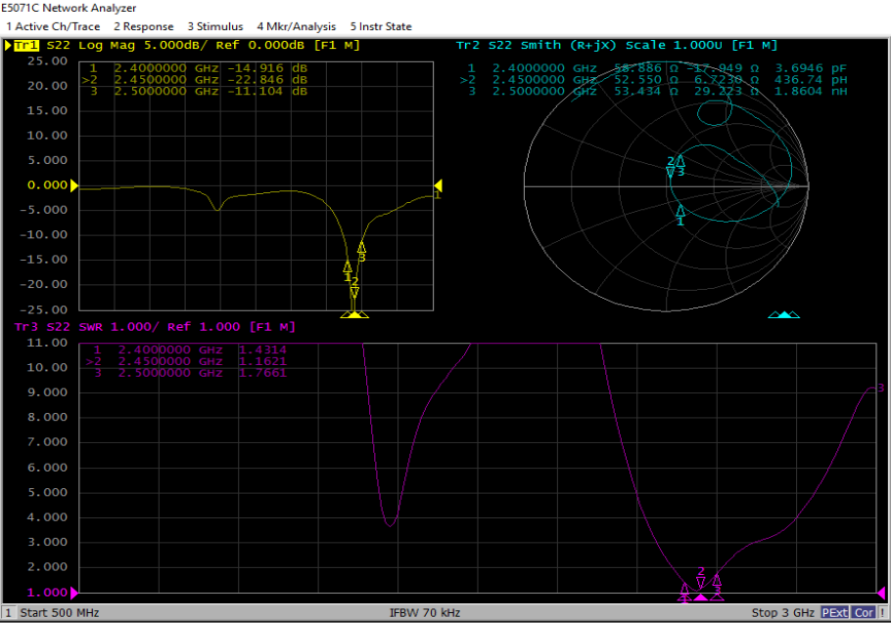


Antenna Gain

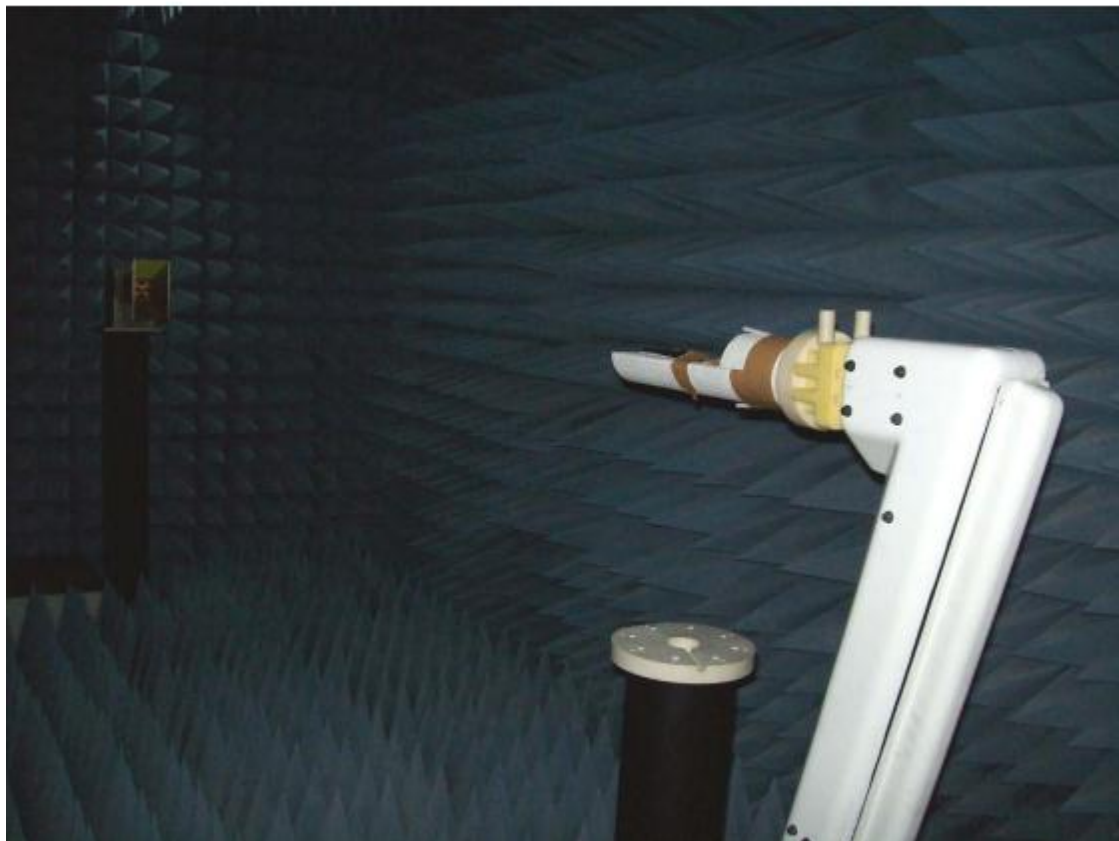
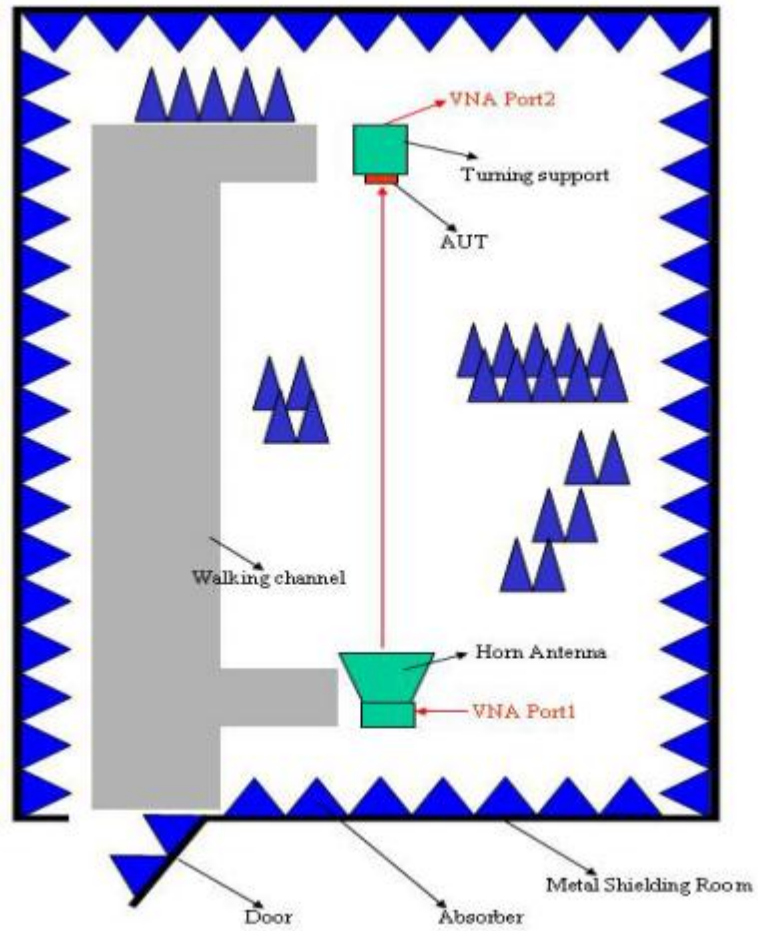
Gain Table

Unit in dBi @2.44GHz	XY-plane	XZ-plane	YZ-plane	Efficiency
	Avg	Avg	Avg	
Module Board	-7.1	-9.9	-7.8	8.2 %

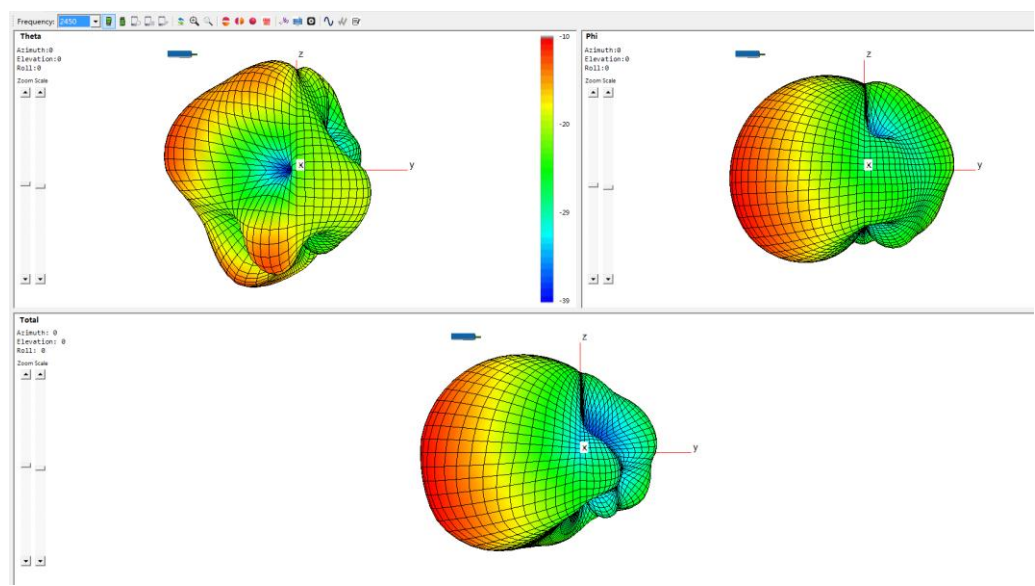
Return Loss



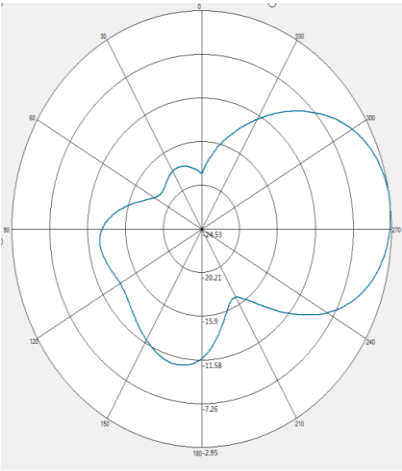
The Environment of Antenna Radiation Pattern



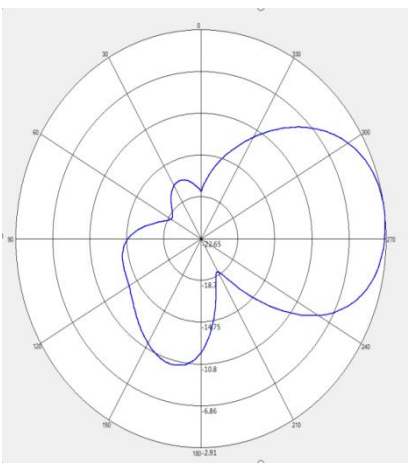
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

