

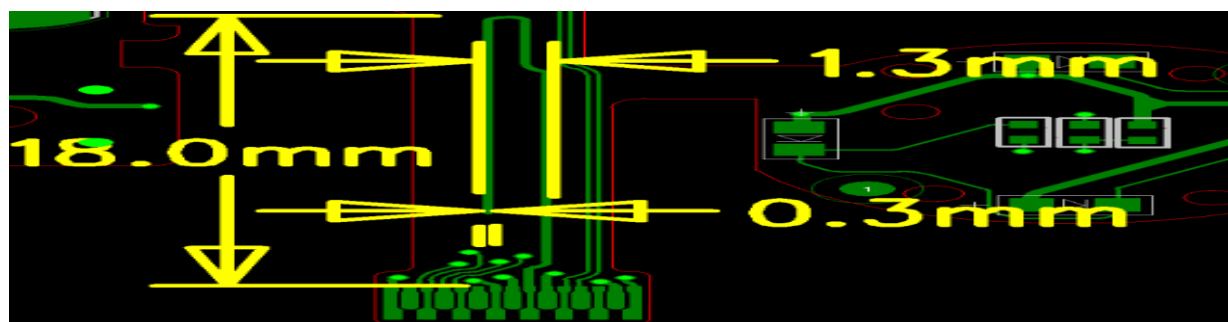
Productspecification

QuickReferenceDate

	Antennamoduleon thesystem board	
FrequencRange	2400 ~2500MHz	
Ant.PortInputPwr.(dBm)	0(Typ.BTclass2outputpower)	
Tot.Rad.Pwr.(dBm)	-1.2(Inputpwr-losspwr)	
PeakEIRP(dBm)	1.2	
Directivity(dBi)	1(alldirectionantenna)	
Efficiency(dB)	60.2 %	
Gain(dBi)	1.2(AvgGainXY-plane)	
MaximumPower (dBm)	1.7(XY-plane)	
MinimumPower(dBm)	-4(XY-plane)	
Avg.Power(dBm)	-0.5(XY-plane)	
InputImpendence(ohm)	50	
PolarizationType	Vertical&Horizontal	
V.S.W . R	<1.4	

All thetechnical dataandinformationcontainedherein aresubject tochangewithout priornotice

AntennaLayout&moduleonthesystemboard

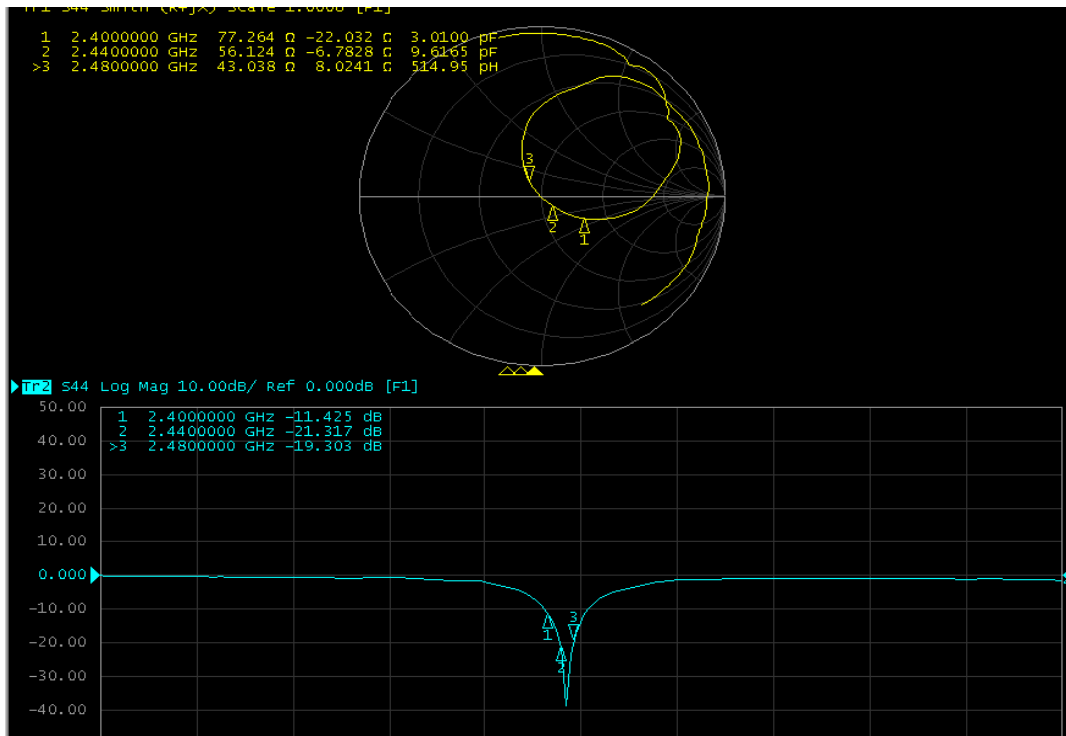


AntennaGain

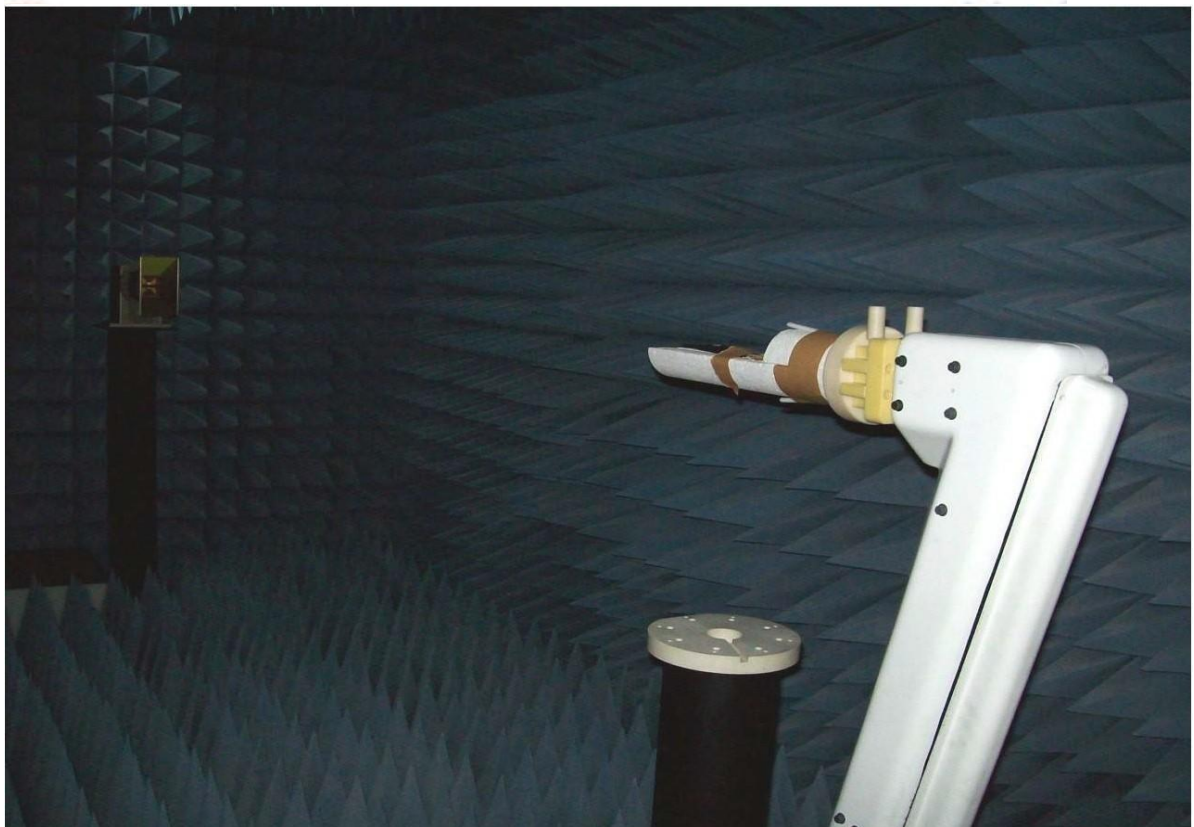
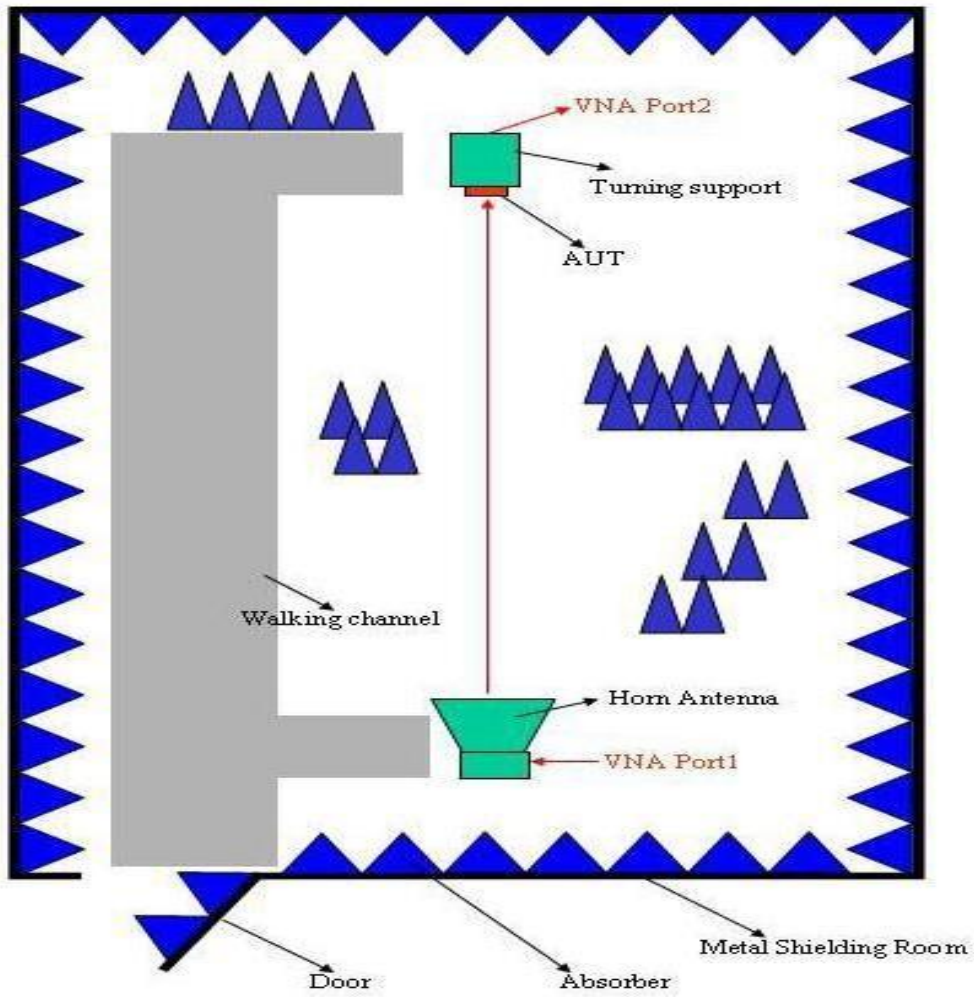
GainTable

UnitindBi@2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
ModuleBoard	1.2	-0.5	1.0	-3.6	1.1	-3.0	60.2 %

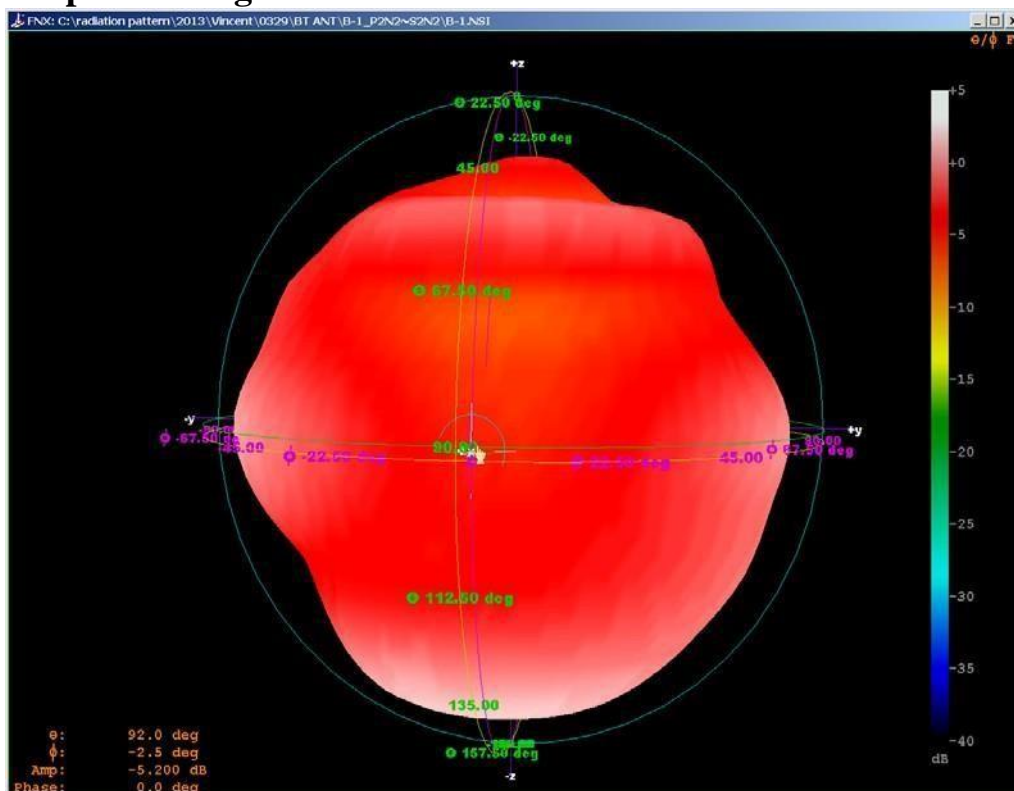
ReturnLoss



The Environment of Antenna Radiation Pattern

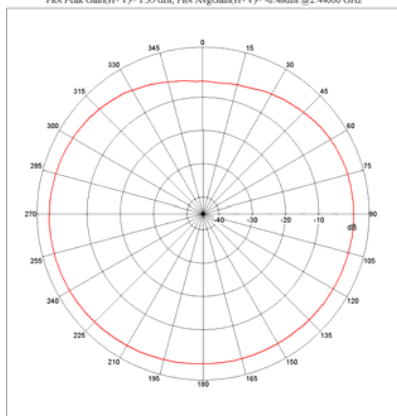


3Dradiationpatterndiagram



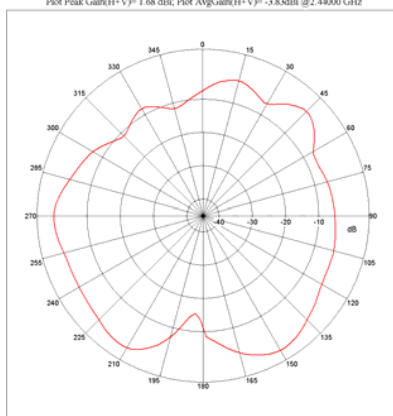
XY-plane

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



XZ-plane

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



YZ-plane

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

