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)	1.35(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&moduleonthesystemboa

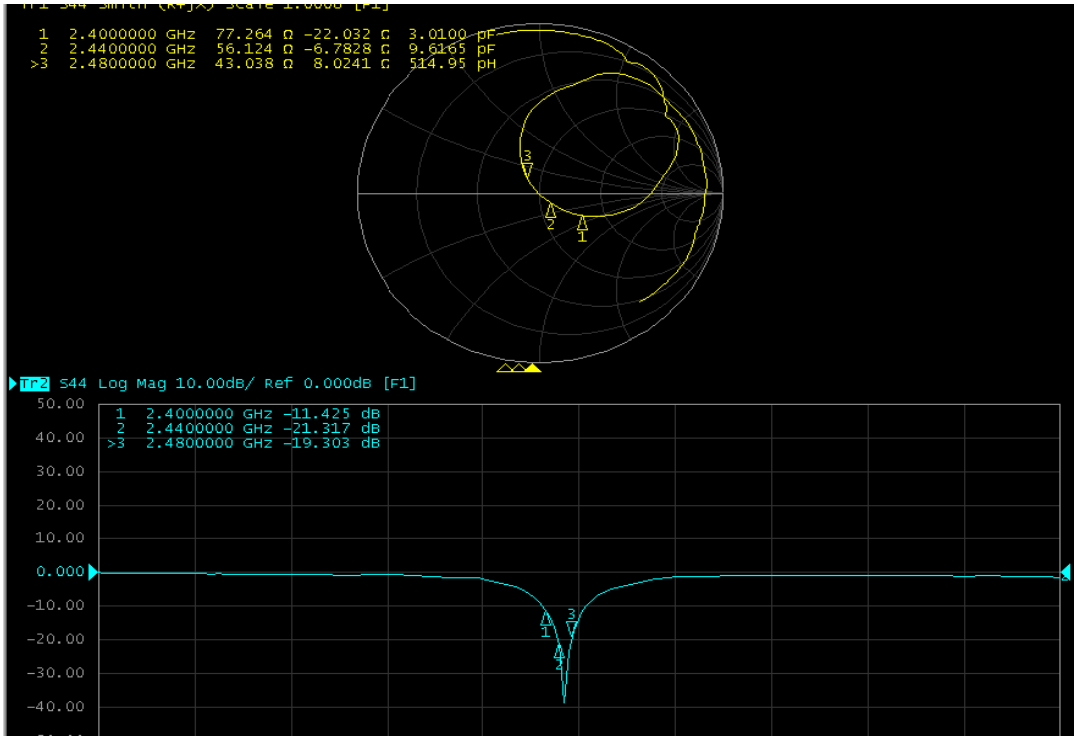
AntennaGain

GainTable

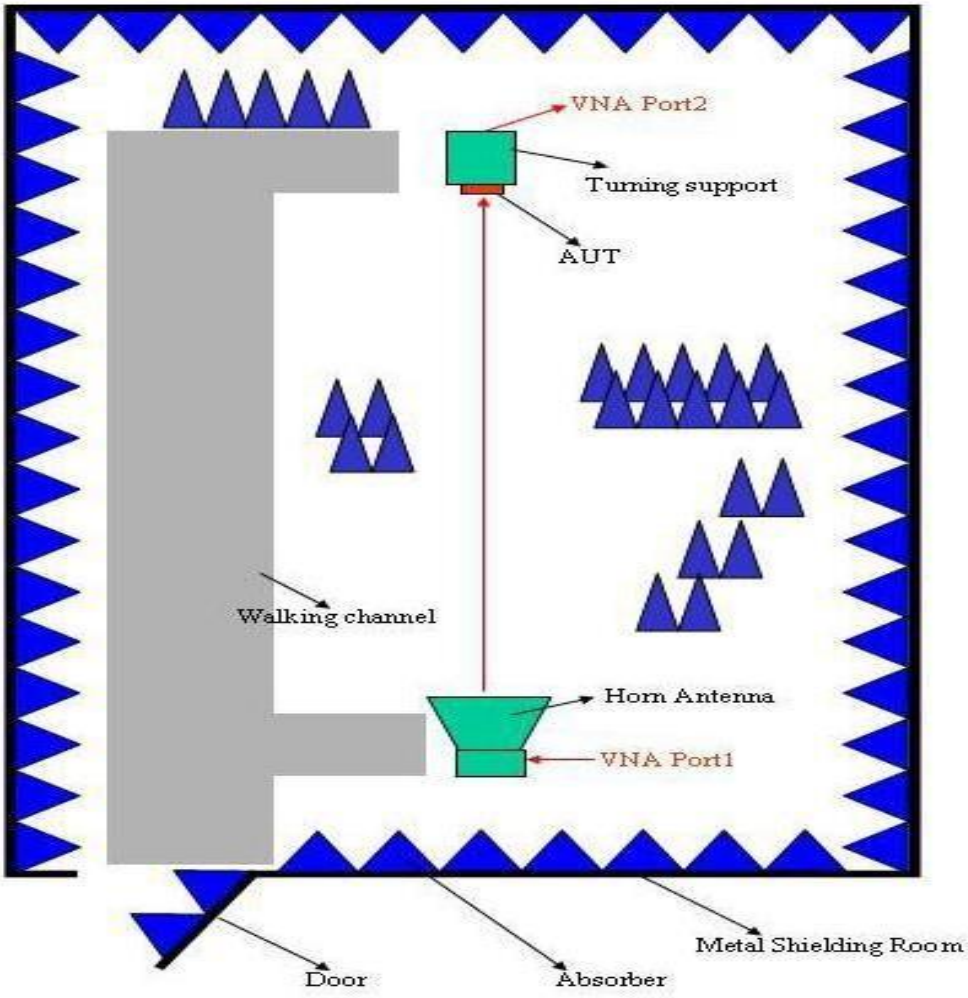
UnitindBi@2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
ModuleBoard	1.35	-0.48	1.08	-3.83	1.11	-2.99	60.2 %

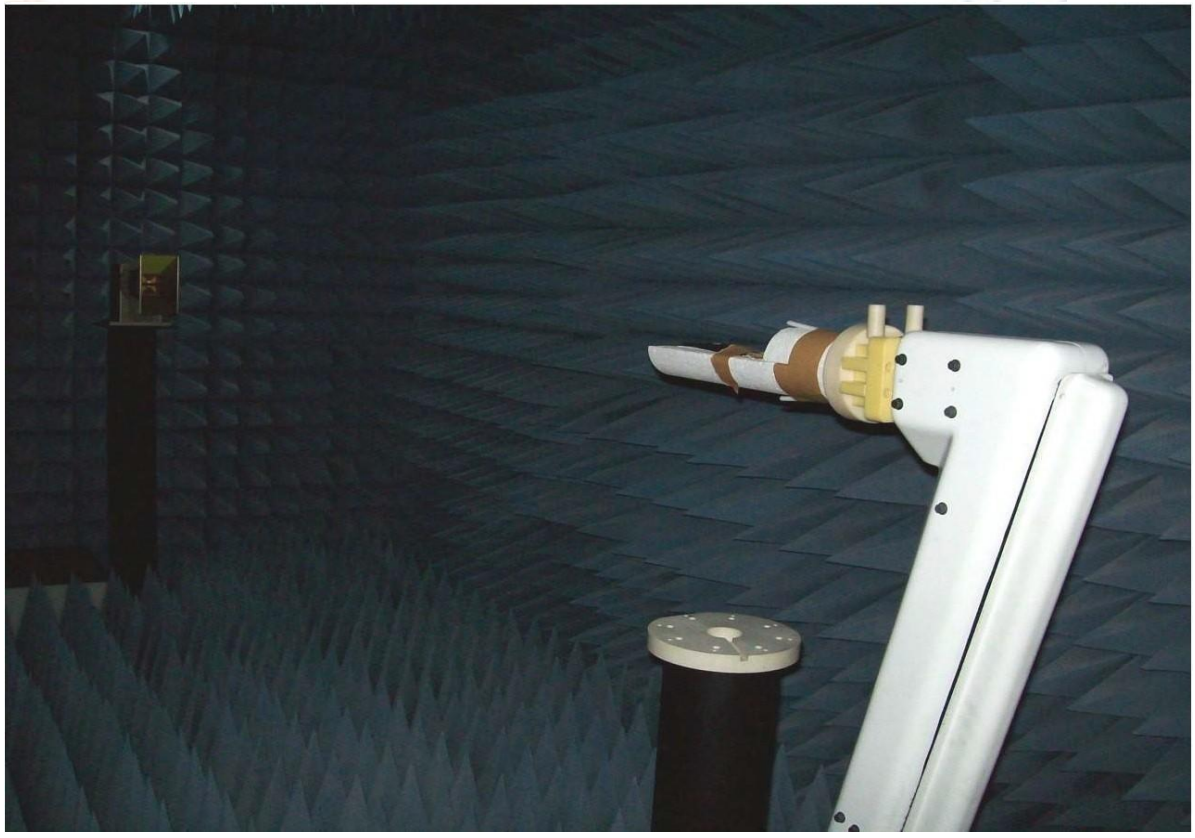
FD65-KCS398-T11Z
161
20

RetumLoss

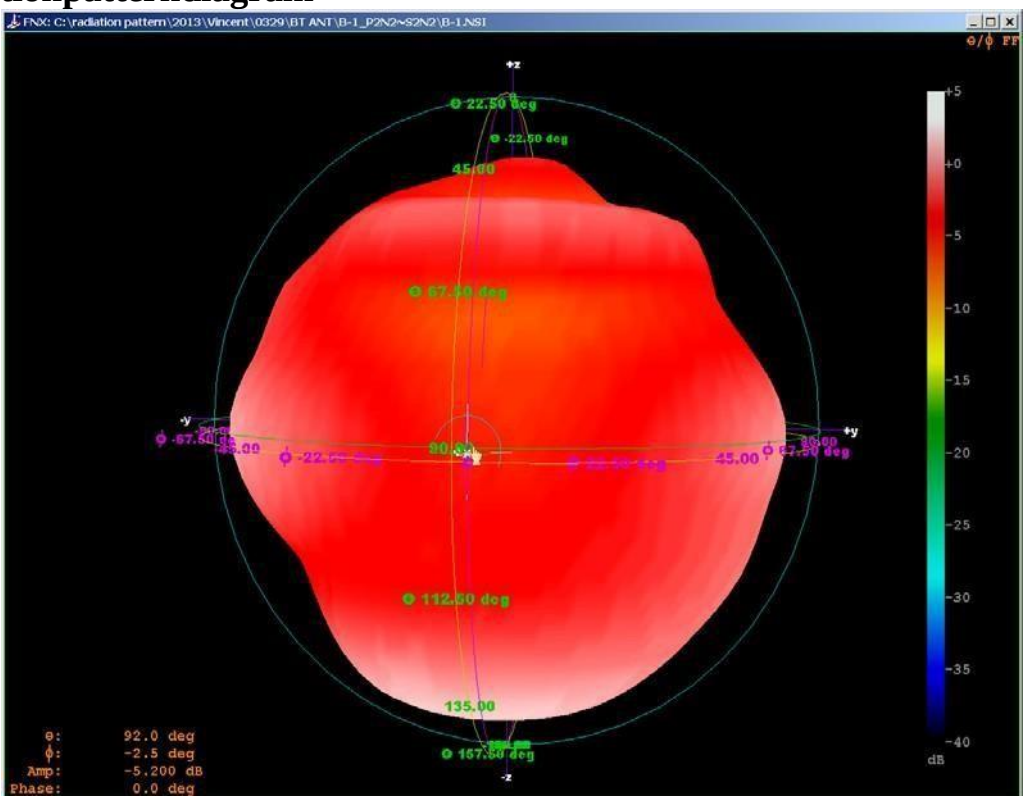

1 2.4000000 GHz 77.264 Ω -22.032 Ω 3.0100 pF
2 2.4400000 GHz 56.124 Ω -6.7828 Ω 9.6165 pF
>3 2.4800000 GHz 43.038 Ω 8.0241 Ω 514.95 pH
Tr2 S44 Log Mag 10.00dB/ Ref 0.000dB [F1]
1 2.4000000 GHz -11.425 dB
2 2.4400000 GHz -21.317 dB
>3 2.4800000 GHz -19.303 dB
50.00
40.00
30.00
20.00
10.00
0.000
-10.00
-20.00
-30.00
-40.00

TheEnvironmentof AntennaRadiationPattem

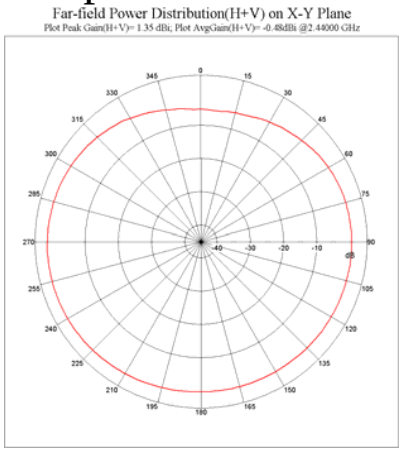




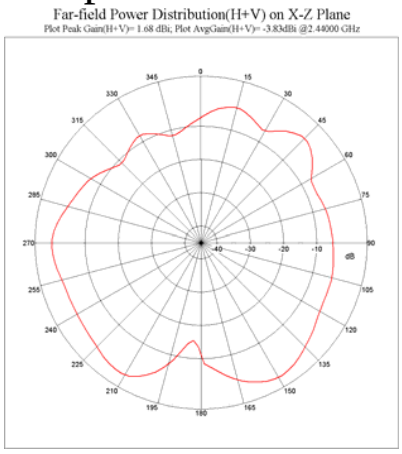
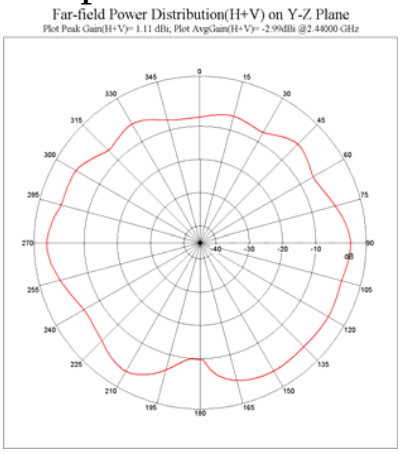
3Dradiationpatterndiagram



XY-plane



XZ-plane



YZ-plane