

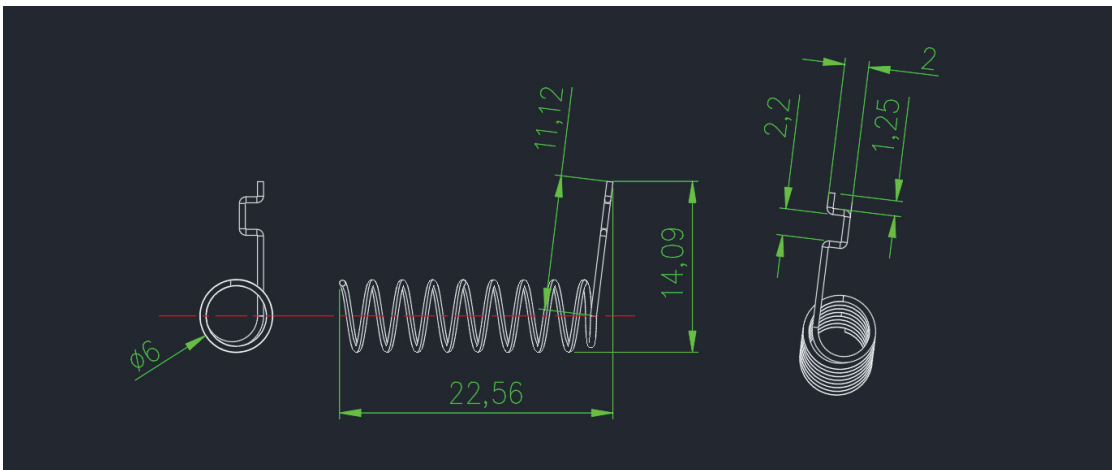
Product specification

Quick Reference Date

Frequenc Range	913 ~ 922 MHz	
Ant. Port Input Pwr. (dBm)	0 dBm	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr -loss pwr)	
Peak EIRP(dBm)	1.2	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	6 0.2 %	
Gain (dBi)	1.7	
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	V ertical & Horizontal	
V . S .W . R	< 1.4	

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

Antenna Engineering drawings

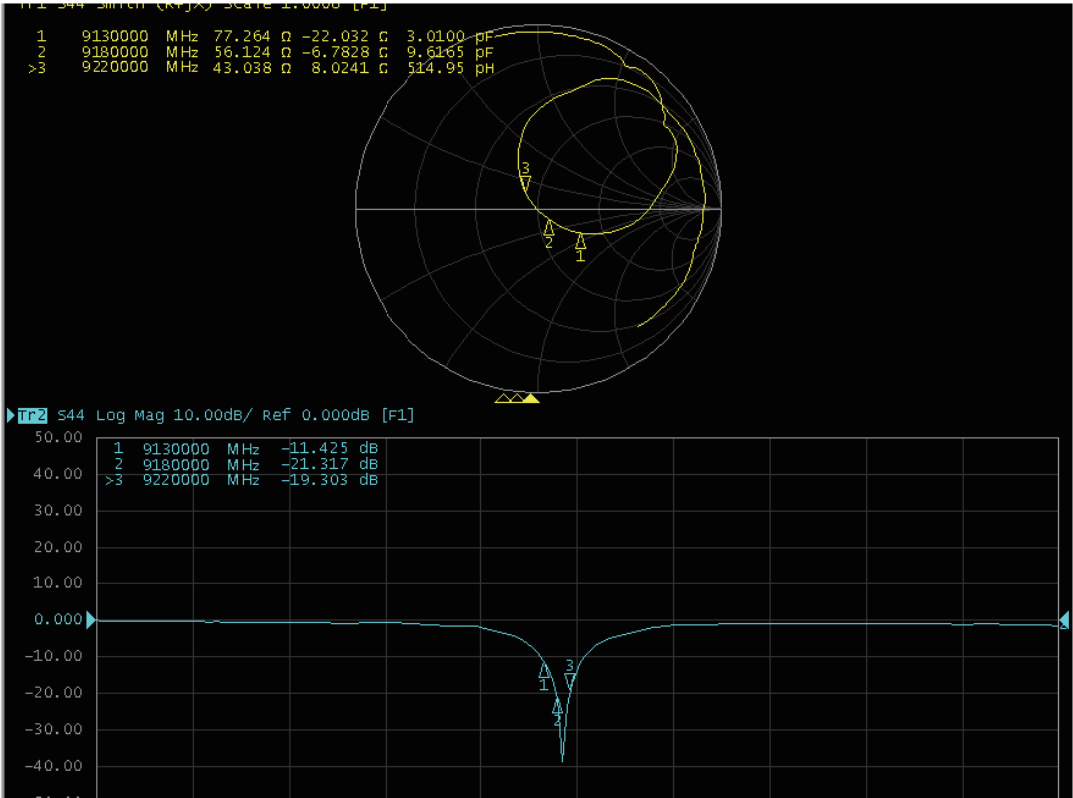


Antenna Gain

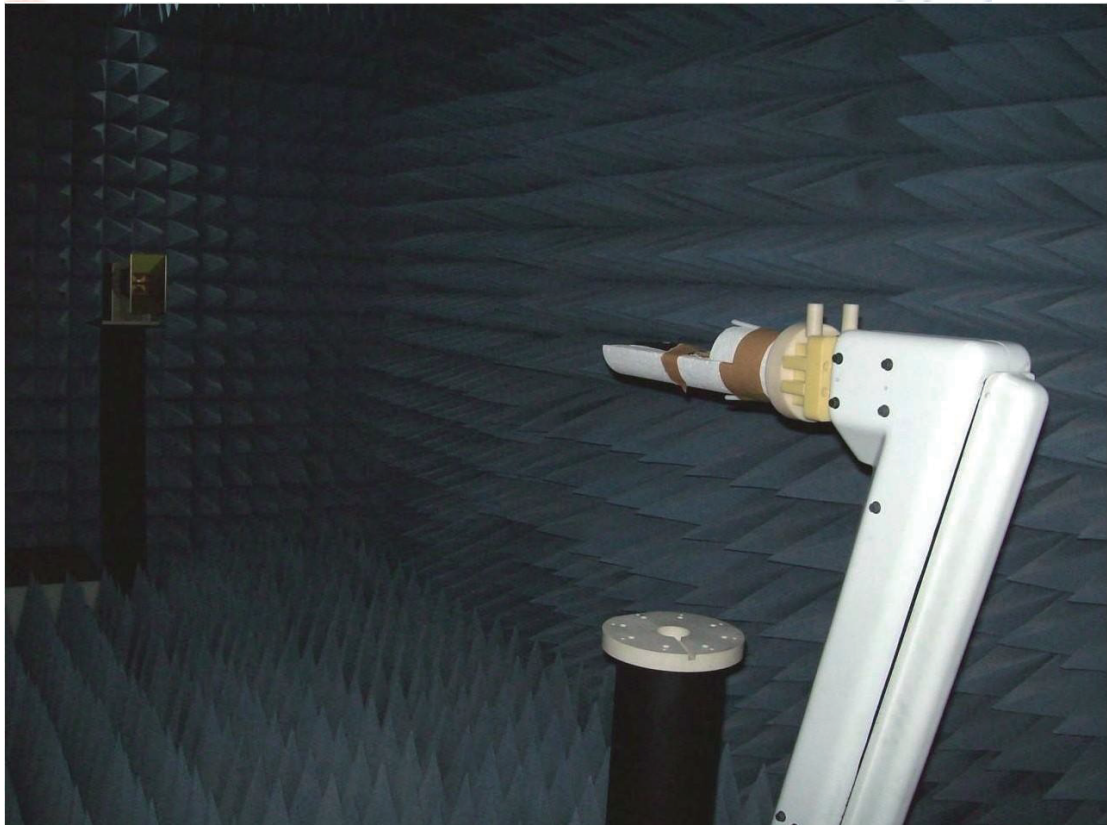
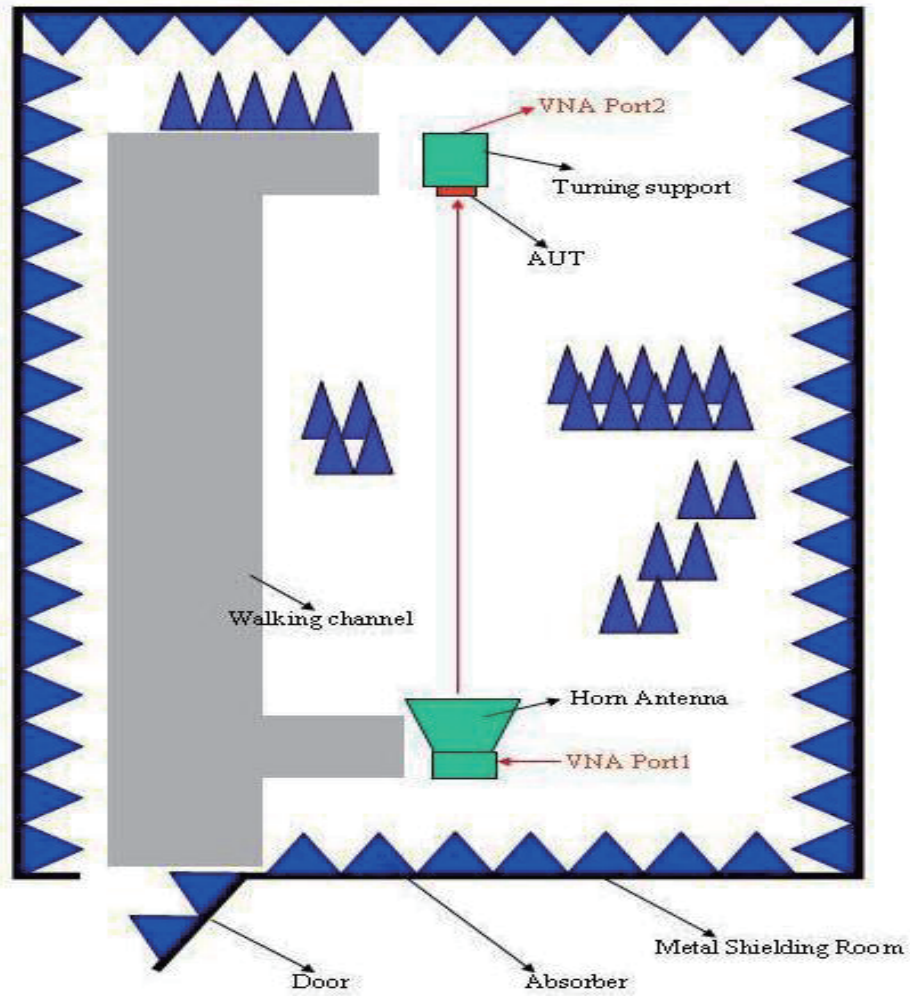
Gain Table

	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Unit in dBi @913MHz	1.3	-0.5	1.7	-3.6	1.1	-3.0	6 0.2 %
Unit in dBi @918MHz	1.2	-0.5	1.6	-3.6	1.1	-3.0	6 0.2 %
Unit in dBi @922MHz	1.1	-0.5	1.5	-3.6	1.0	-3.0	6 0.1 %

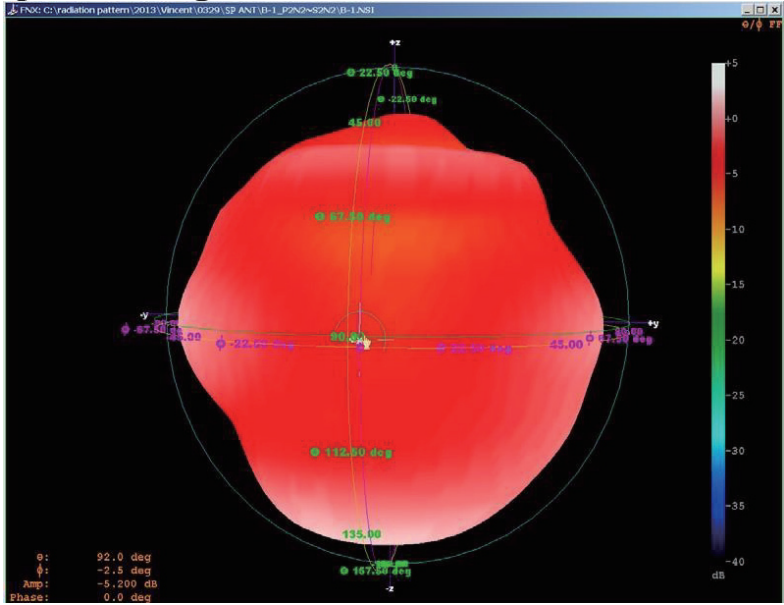
Return Loss



The Environment of Antenna Radiation Pattern

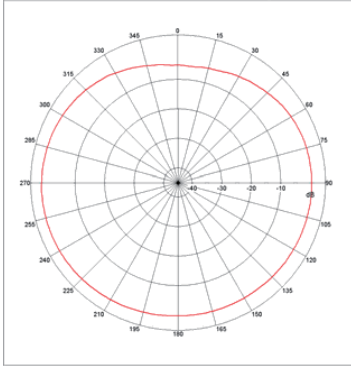


3D radiation pattern diagram



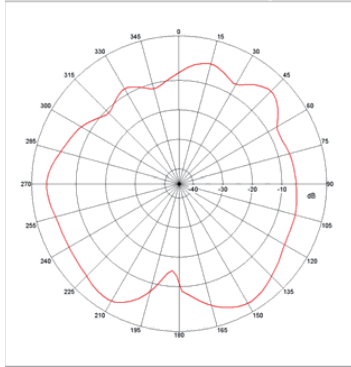
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.35 dBi; Plot AvgGain(H+V)= -0.48dBi @ 913 MHz



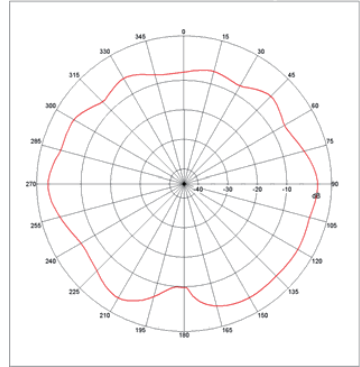
XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.68 dBi; Plot AvgGain(H+V)= -3.83dBi @ 913 MHz



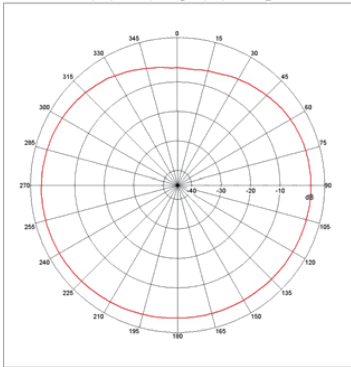
YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.11 dBi; Plot AvgGain(H+V)= -2.99dBi @ 913 MHz



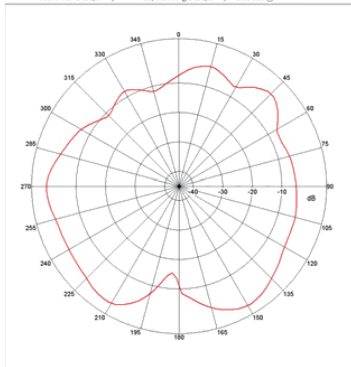
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)=1.24 dBi, Plot AvgGain(H+V)= -0.48dBi @ 918 MHz



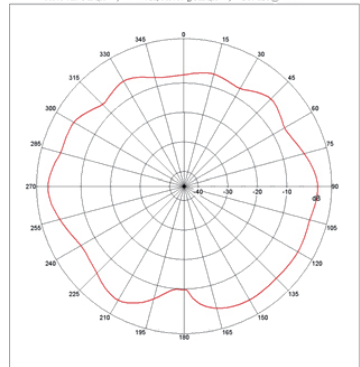
XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)=1.64 dBi; Plot AvgGain(H+V)= -3.83dBi @ 918 MHz



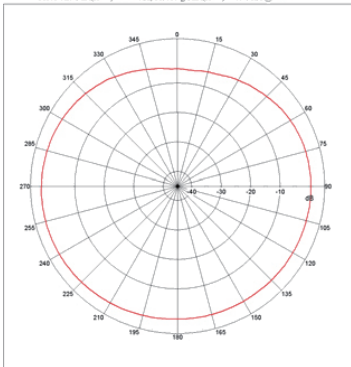
YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)=1.12 dBi; Plot AvgGain(H+V)=-2.99dBi @ 918 MHz



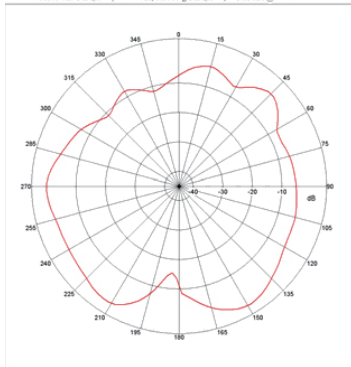
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)=1.14 dBi; Plot AvgGain(H+V)= -0.48dBi @ 922 MHz



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)=1.54 dBi; Plot AvgGain(H+V)= -3.83dBi @ 922 MHz



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.0 dBi; Plot AvgGain(H+V)= -2.99dBi @ 922 MHz

