

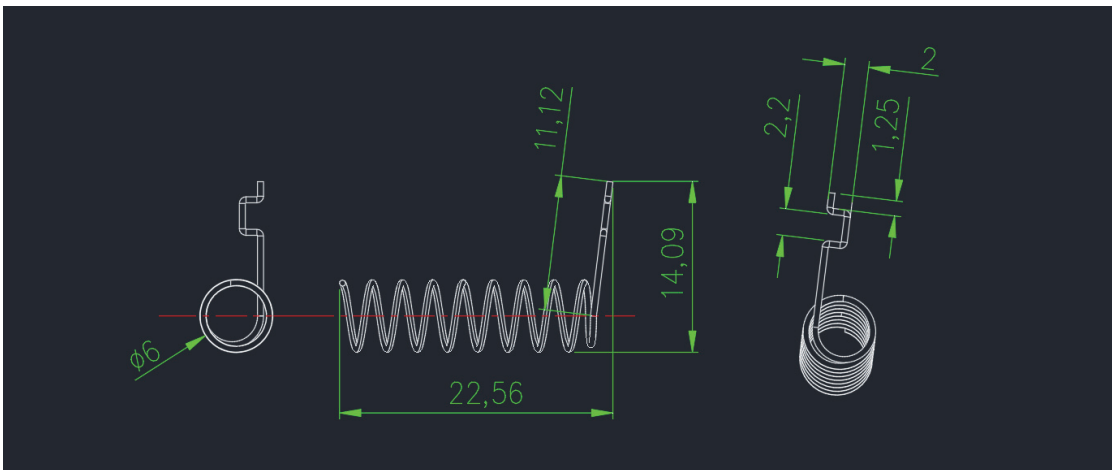
Product specification

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

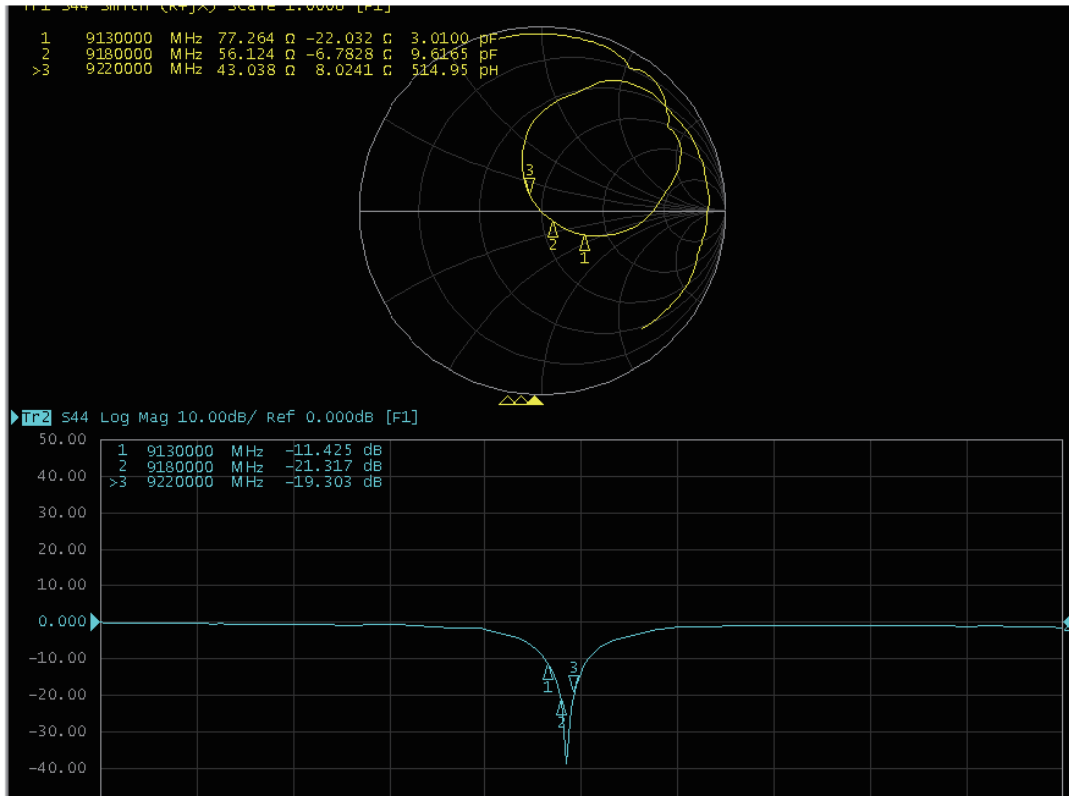


Antenna Gain

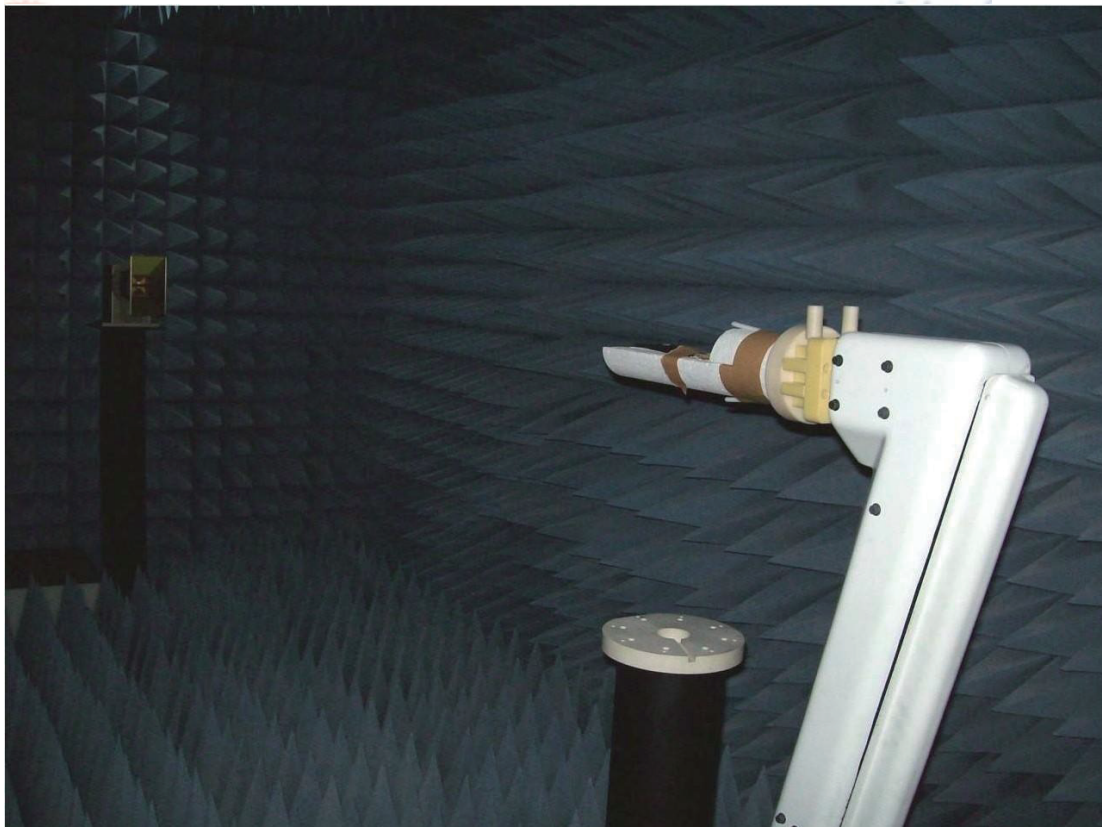
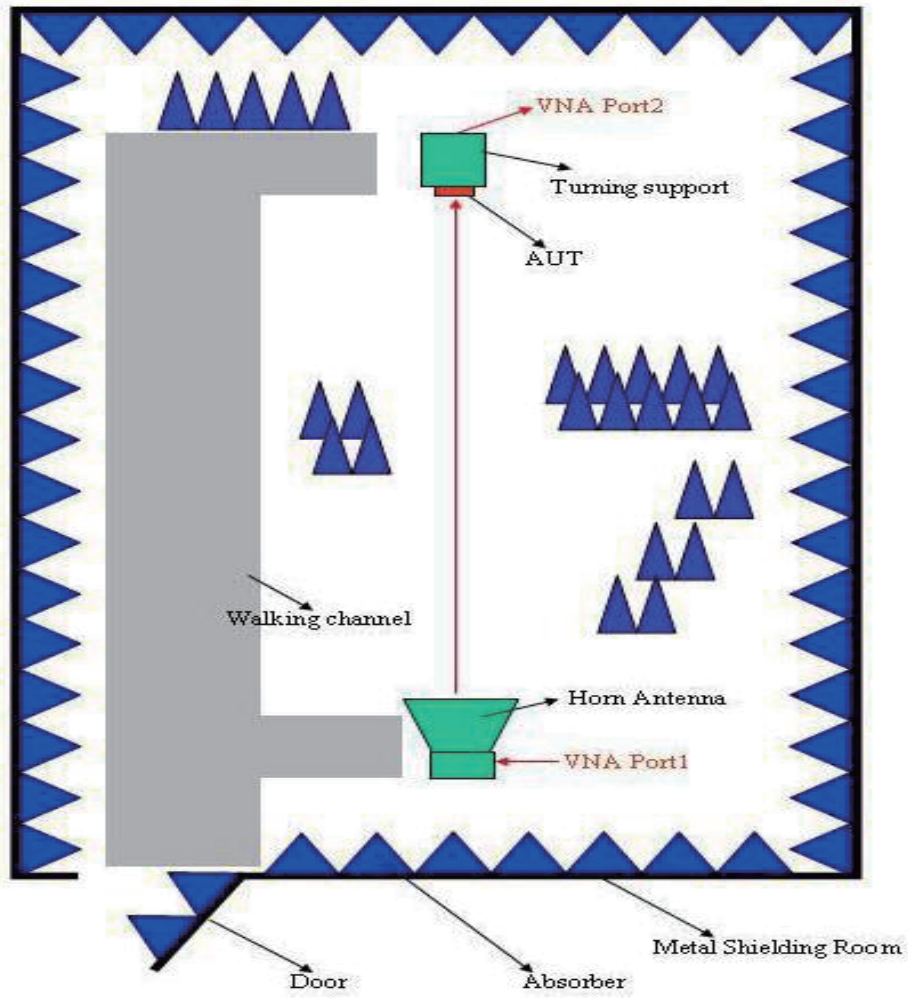
Gain Table

	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 %

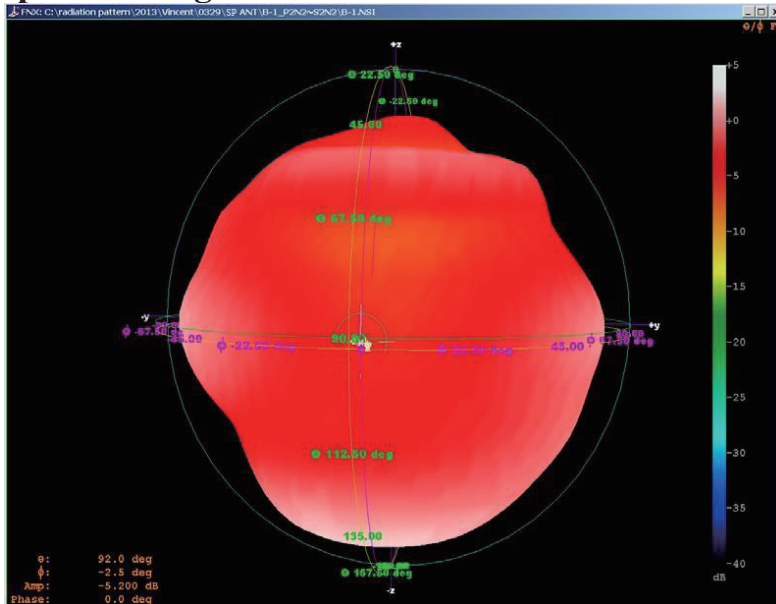
Return Loss



The Environment of Antenna Radiation Pattern

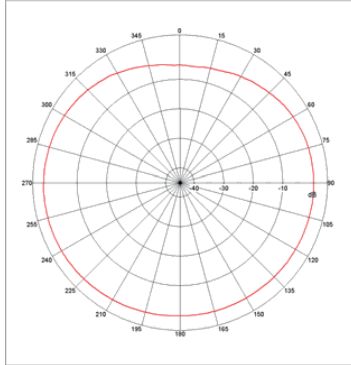


3D radiation pattern diagram



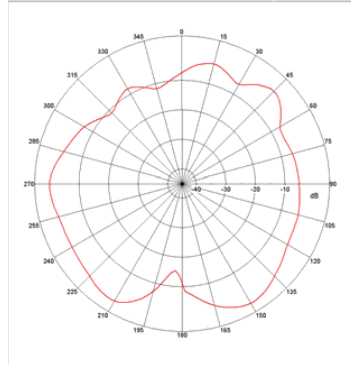
XY-plane

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



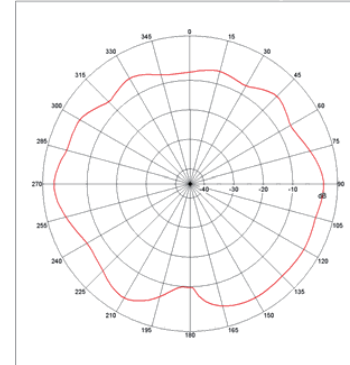
XZ-plane

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



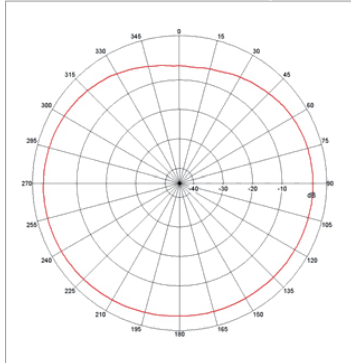
YZ-plane

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



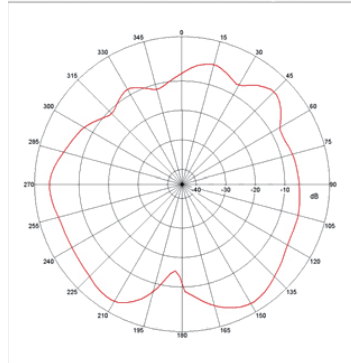
XY-plane

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



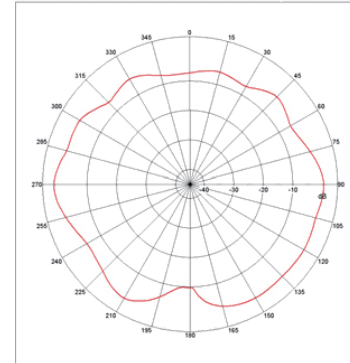
XZ-plane

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



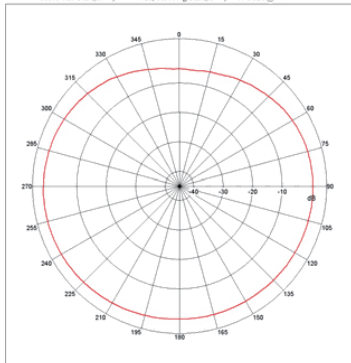
YZ-plane

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



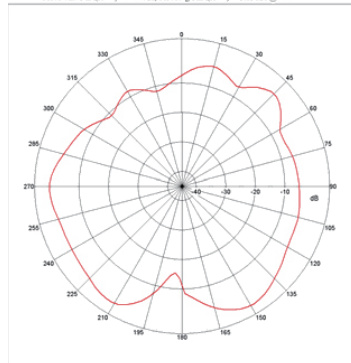
XY-plane

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



XZ-plane

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



YZ-plane

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

