



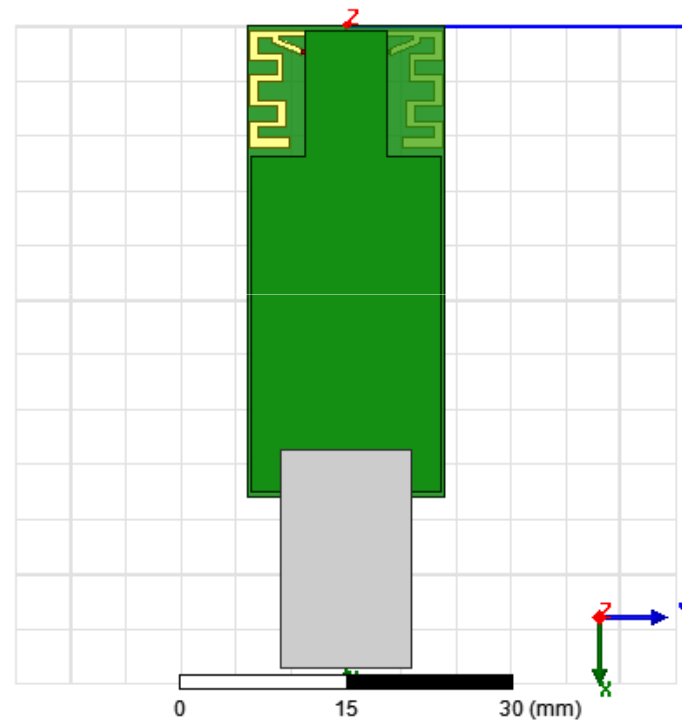
RT5370 V31 D1843 Antenna Report

By Claire 2011/05/26

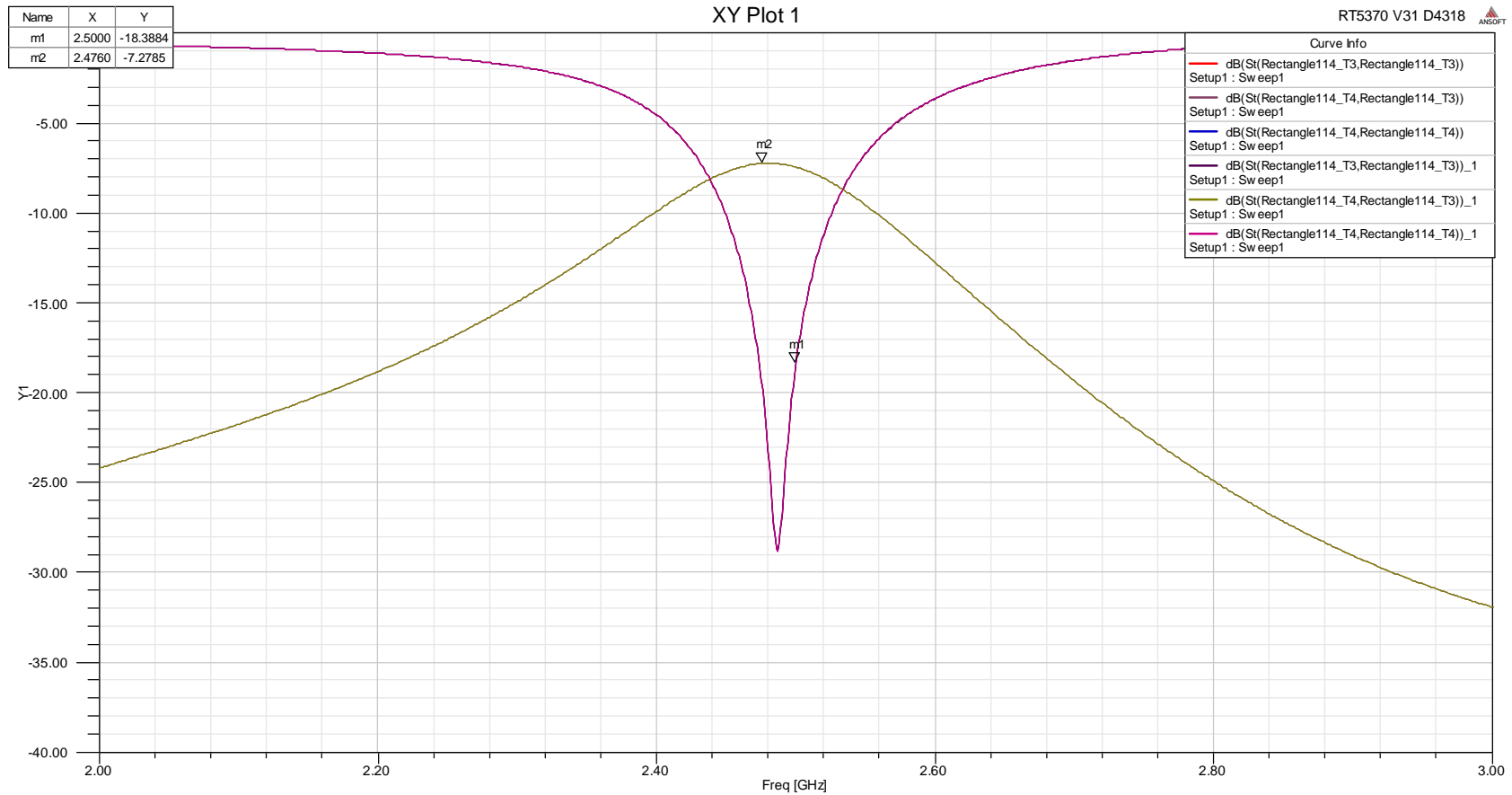


Image

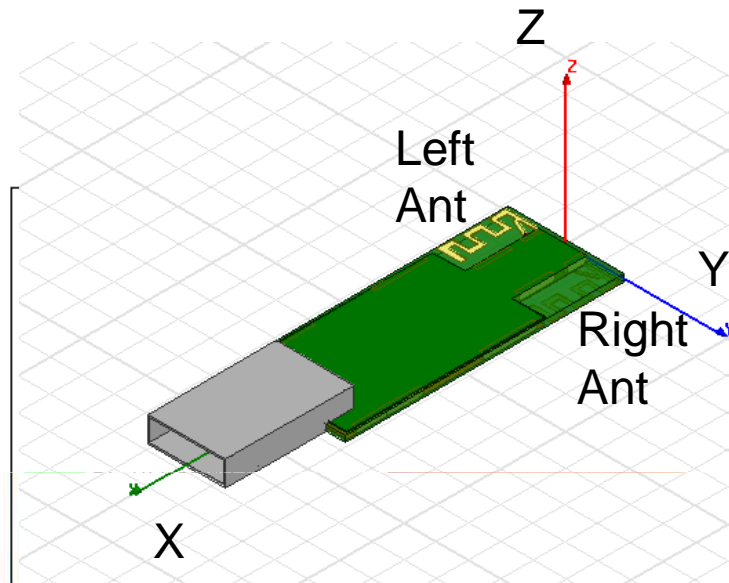
- PCB Dimension: 18x43mm²
- 1T;1Rx-Diversity
- Peak Gain 1.2dBi



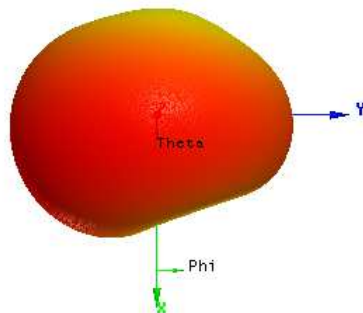
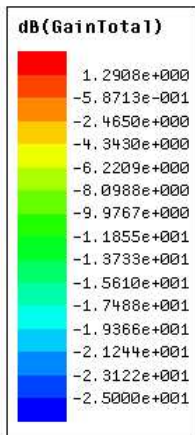
Return Loss and Isolation



Radiation Pattern



Left antenna Radiation Pattern

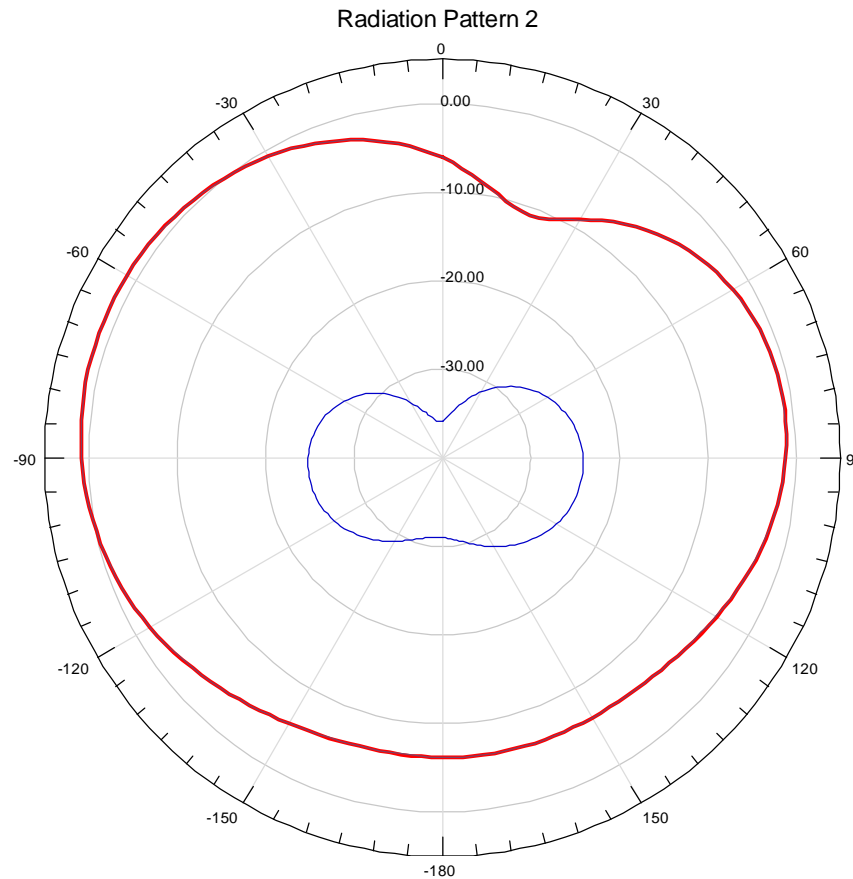



Radiation pattern of the right antenna is the mirror of the left antenna .(mirror plane is XZ-plane.)



Radiation Pattern—XY-Plane

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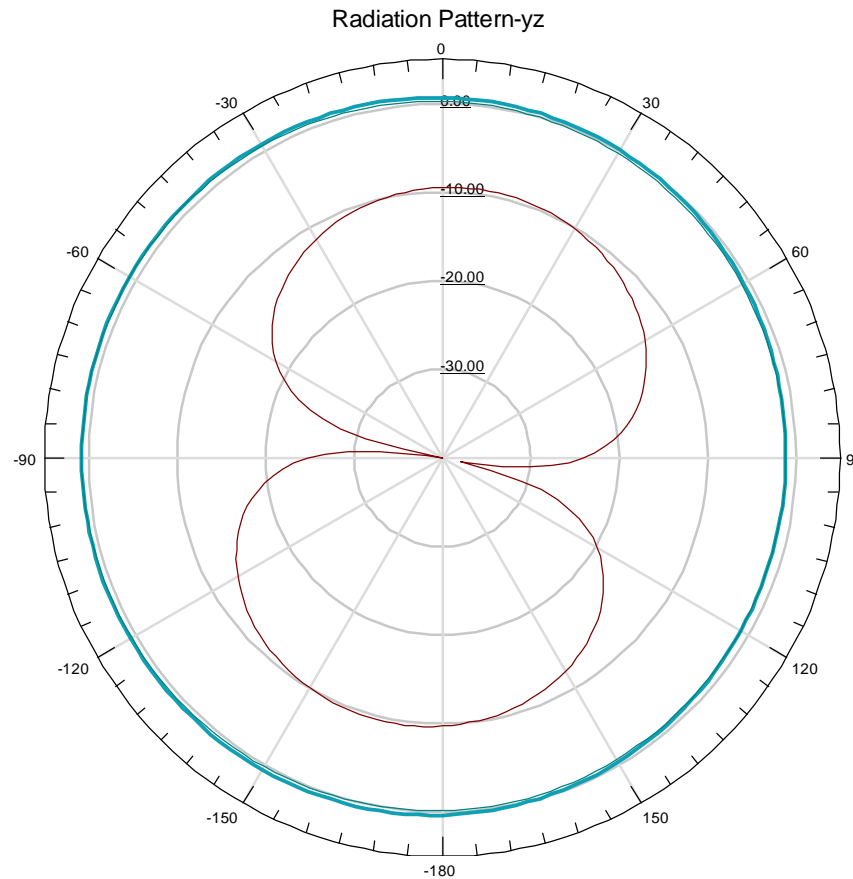



RT5370 V31 D4318 

Curve Info	max
dB(GainTotal) Setup1 : LastAdaptive Freq=2.45GHz' Theta=90deg'	1.2890
dB(GainPhi) Setup1 : LastAdaptive Freq=2.45GHz' Theta=90deg'	1.2809
dB(GainTheta) Setup1 : LastAdaptive Freq=2.45GHz' Theta=90deg'	-24.0223

Radiation Pattern—YZ-Plane

Ansoft LLC

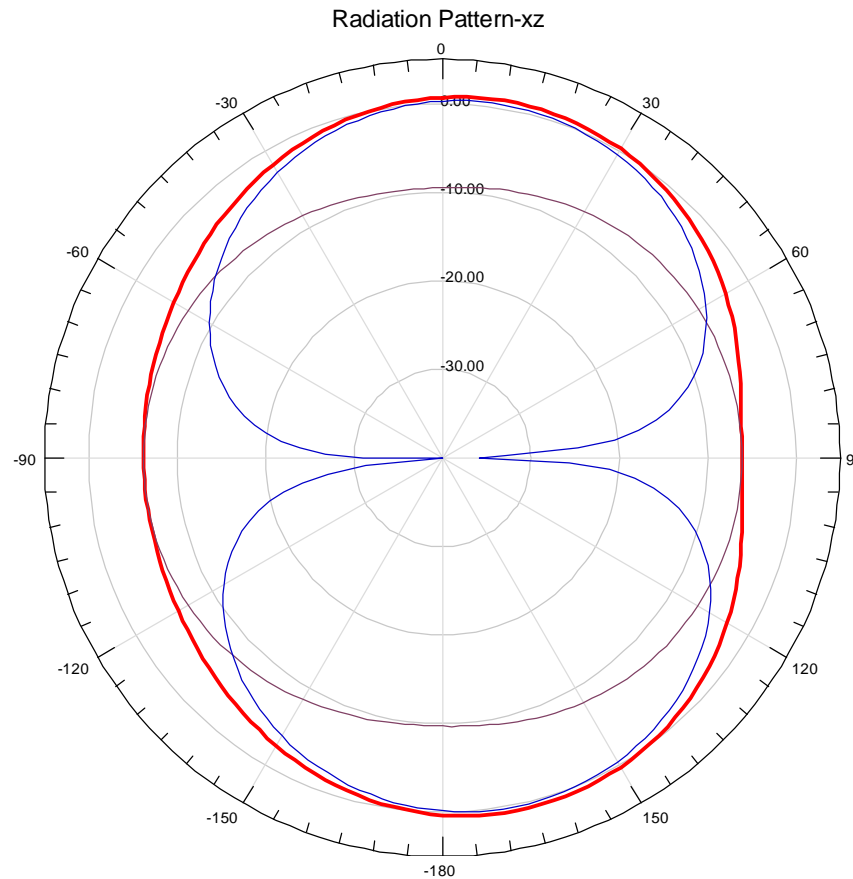


RT5370 V31 D4318 

Curve Info	max
dB(GainTotal) Setup1 : LastAdaptive Freq=2.45GHz' Phi='90deg'	0.9103
dB(GainPhi) Setup1 : LastAdaptive Freq=2.45GHz' Phi='90deg'	0.8143
dB(GainTheta) Setup1 : LastAdaptive Freq=2.45GHz' Phi='90deg'	-9.3902

Radiation Pattern—XZ-Plane

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RT5370 V31 D4318 ANSOFT

Curve Info	max
dB(GainTotal) Setup1 : LastAdaptive Freq=2.45GHz' Phi=0deg'	0.9209
dB(GainPhi)_1 Setup1 : LastAdaptive Freq=2.45GHz' Phi=0deg'	-6.1134
dB(GainTheta)_1 Setup1 : LastAdaptive Freq=2.45GHz' Phi=0deg'	0.4665

Gain (dBi)

	Ver.	Hor.	Total (Ver.+Hor.)
XY-plane	-24	1.2	1.2
YZ-plane	-9.4	0.8	0.9
ZX-plane	0.4	-6	0.9