



深圳市安特通讯科技有限公司

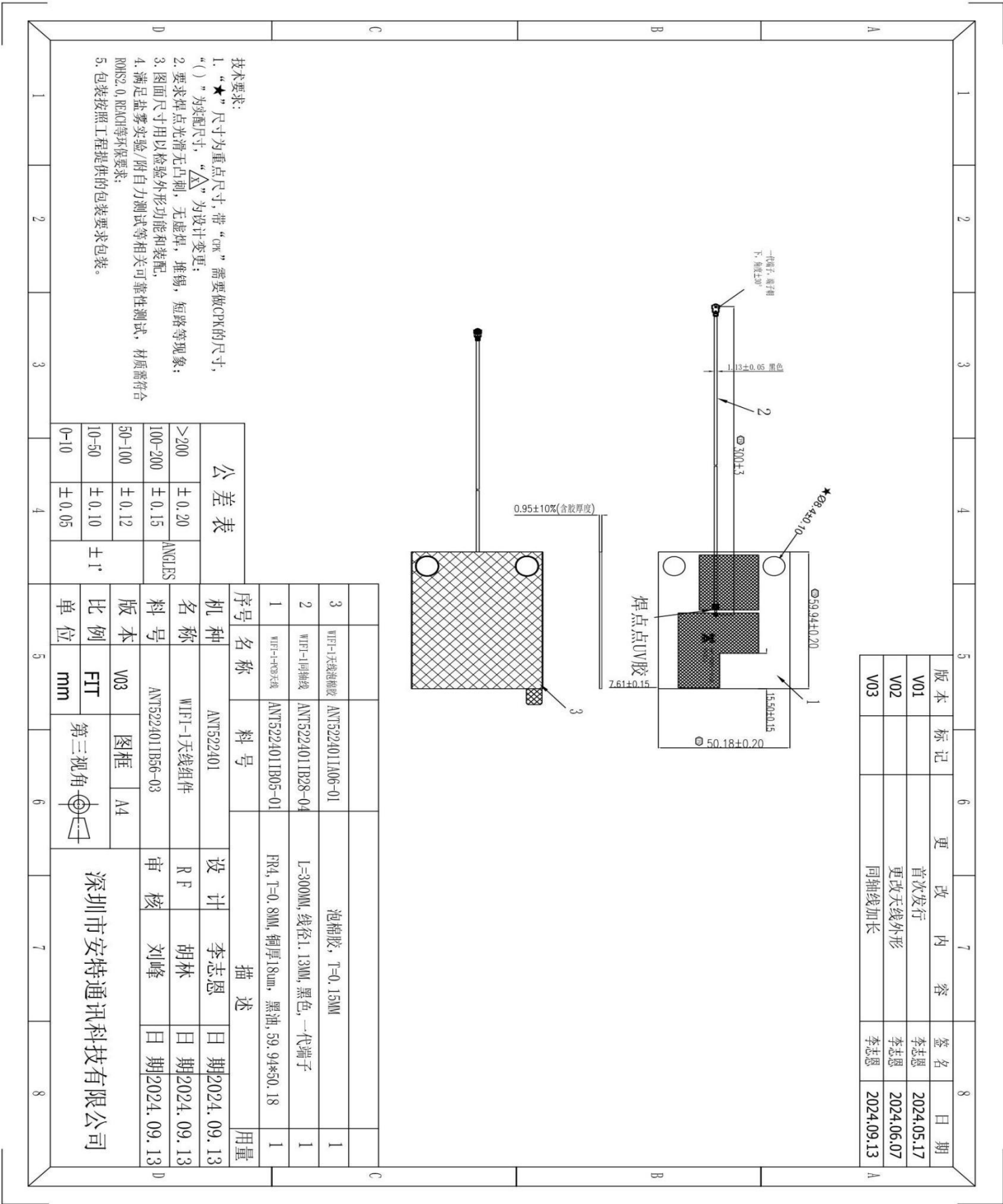
Shenzhen ANT Communication Technology Co., LTD.

Product specification sheet

customer	益光	project	YT-912-WIFI-1 天线
Customer part number	371912002036	Part number	ANT522401IB56-03
version	V1.0	describe	YT-912-WIFI-1 天线, PCB+Cable 线, 黑色, 一代端子, 1.13 线径, L=300MM
RF	HULIN	ME	XUZHENYANG
technical manager	WUBO	date	2025/03/03

customer confirmation	
Does the assembly meet your company's requirements: ☐ OK ☐ NG	

1.Structural drawing file



2. Product specifications and technical parameters:

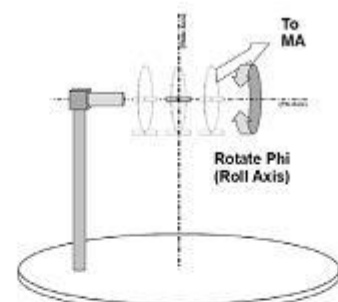
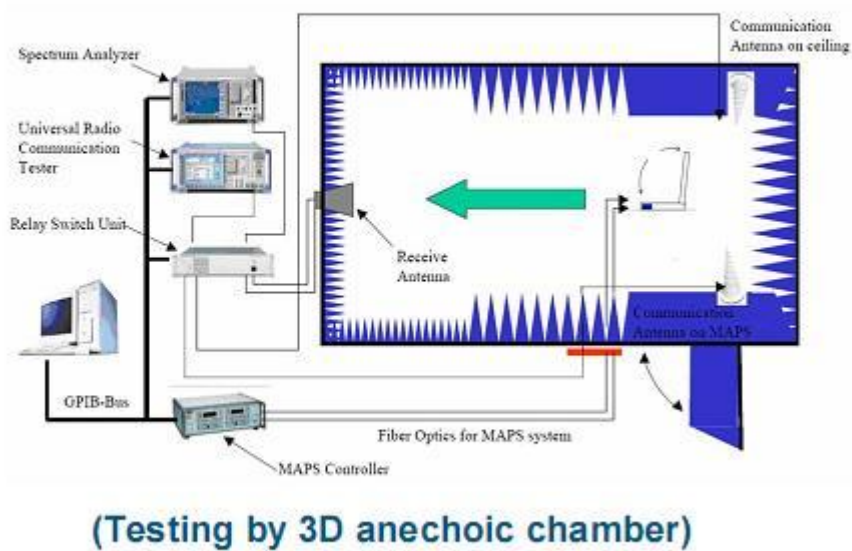
Electrical performance parameters	
Frequency range	2400-2500, 5150-5850MHZ
Impedance	50 Ω
standing-wave ratio	≤ 2.5
2.4G Maximum gain	4.14dBi
5.8G Maximum gain	2.27dBi
Polarization mode	vertical
Radiation direction	Omnidirectional
mechanical parameters	
Antenna size	50.94*50.18MM
Coaxial line type	$\Phi 1.13$
Joint type	First generation terminals
Salt spray test	24H
Environmental parameters	
operation temperature	-45℃--+85℃

3. Test equipment

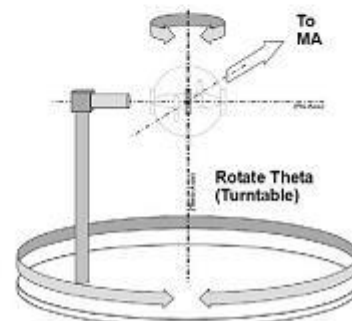
3.1. Agilent E5071C

3.2. CMW500 Agilent 8960

3.3. SATIMO-16 XH-24



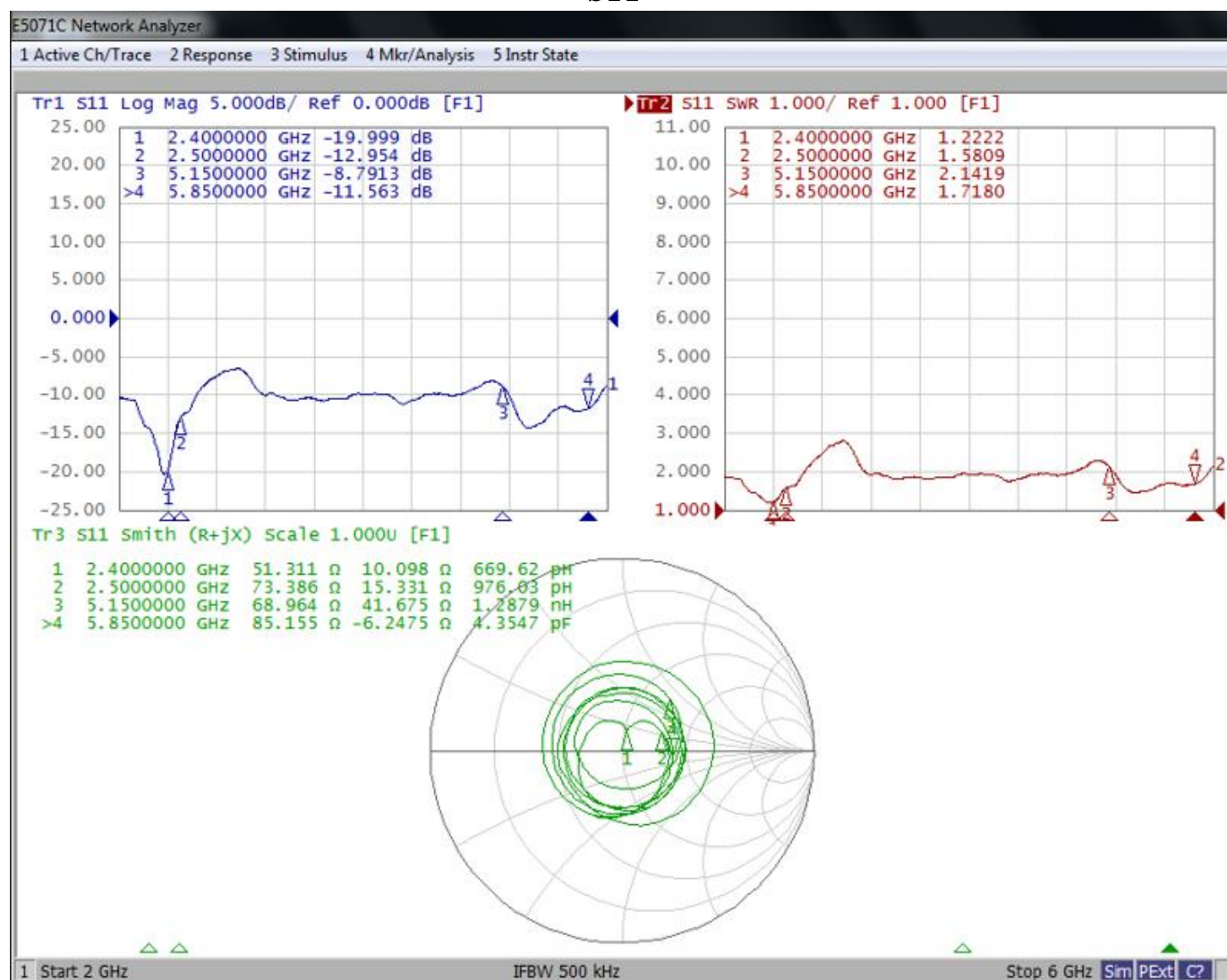
Phi axis test



Theta axis test

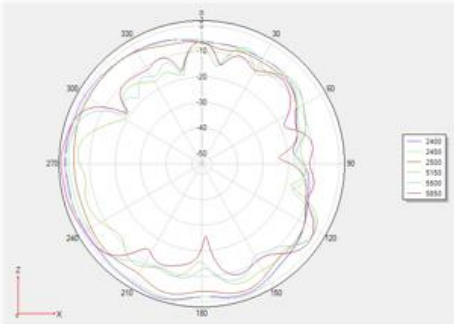
4. Antenna testing parameters

S11

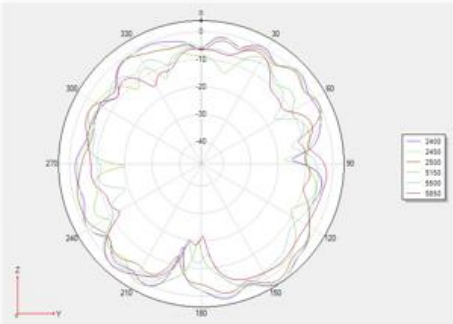


2D-Etotal (2400/2450/2500/5150/5500/5850/Mhz)

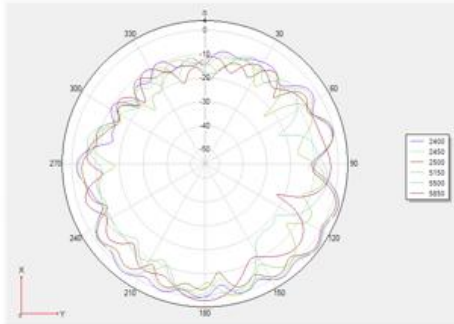
Phi 0 2D



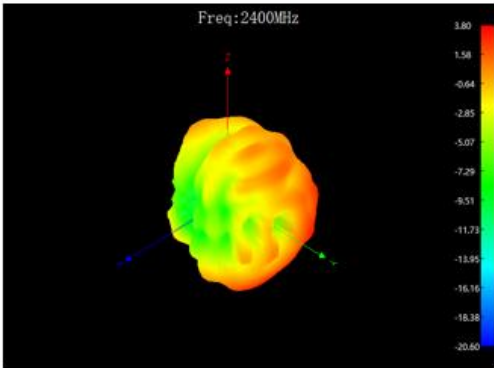
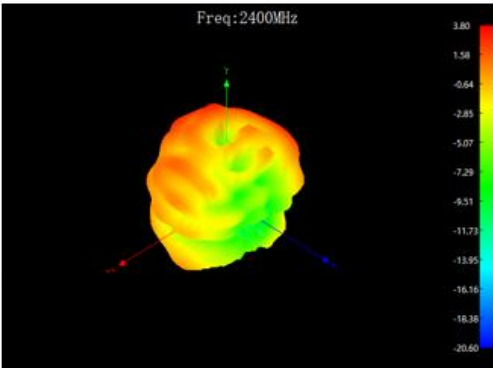
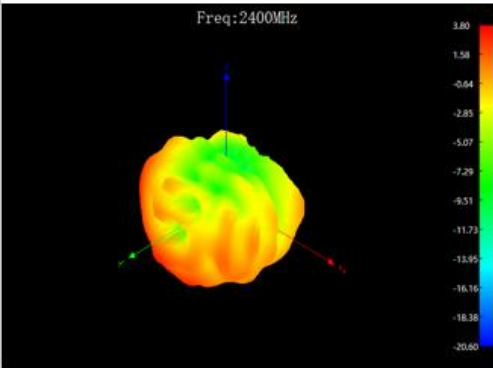
Phi 90 2D



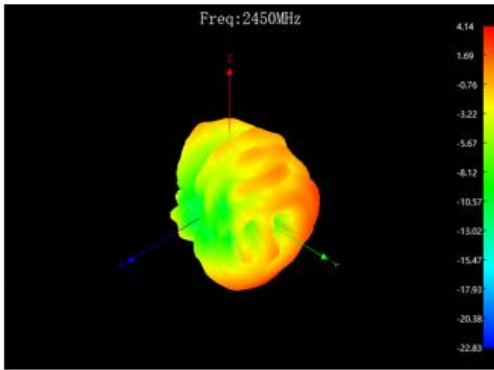
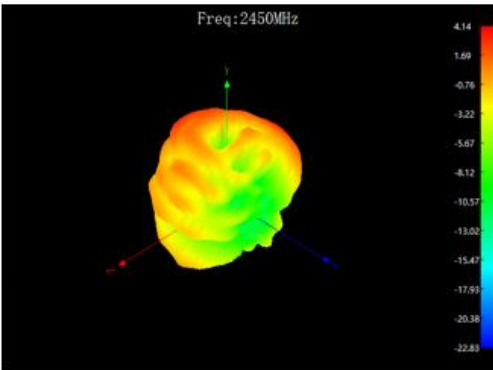
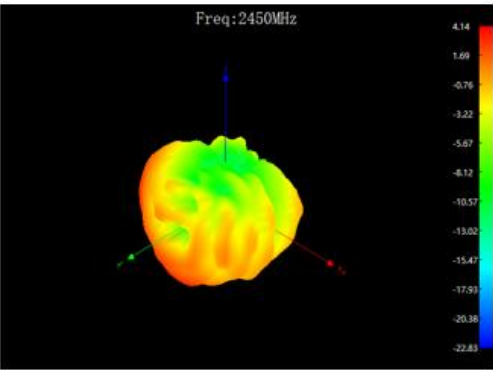
Theta 90 2D



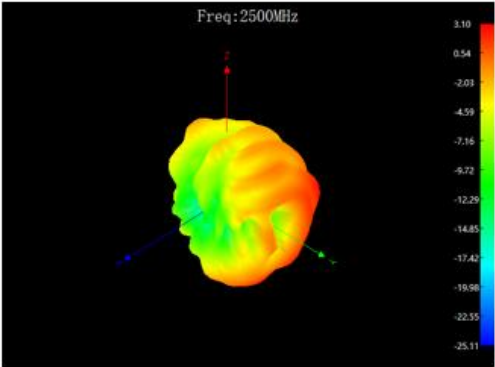
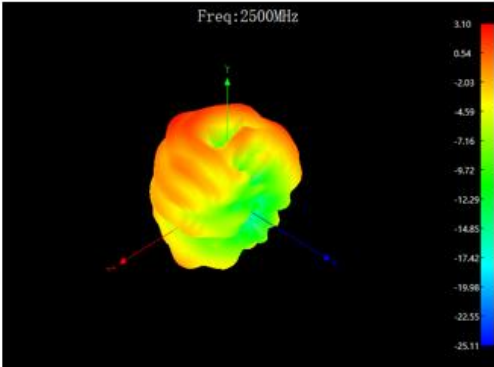
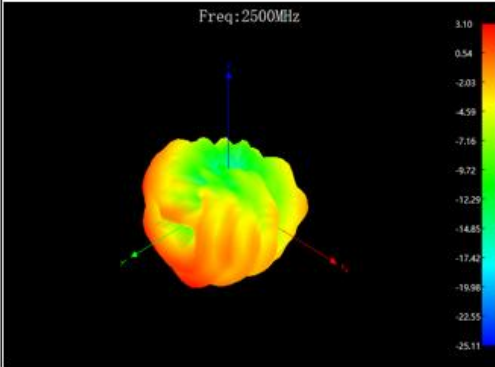
3D-Etotal (2400Mhz)



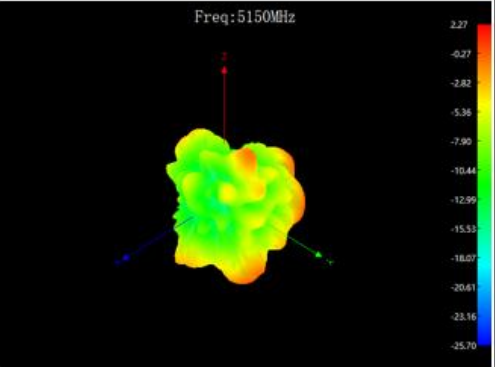
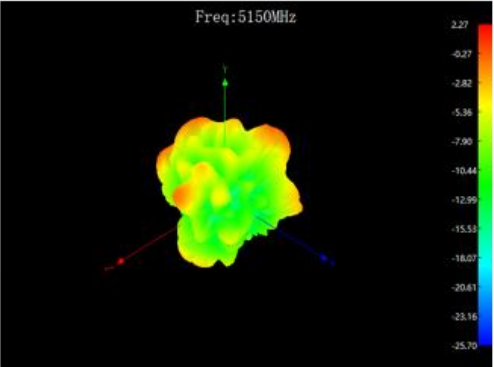
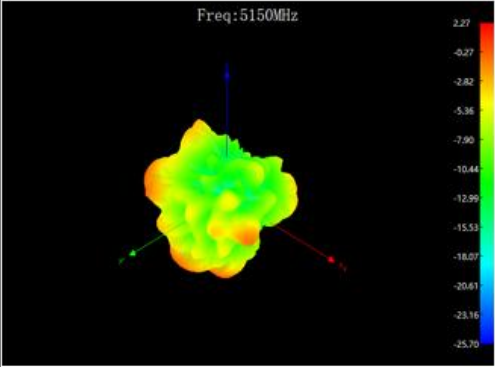
3D-Etotal (2450Mhz)



3D-Etotal (2500Mhz)



3D-Etotal (5150Mhz)



3D-Etotal (5500Mhz)

