

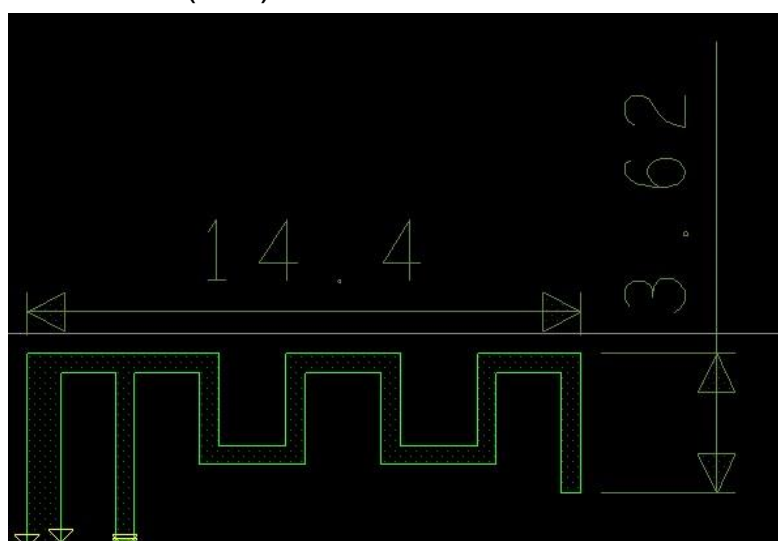
Antenna Specification

Product description: 2.4G PCB Antenna
Uni Link's part number: ANTENNA-2400-2500A(Zigbee)
Issue Date: 2024-8-9
Note: 2400-2500MHZ
Manufacturer: Shenzhen Sonoff Technologies Co.,Ltd.
Address: 3F& 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China

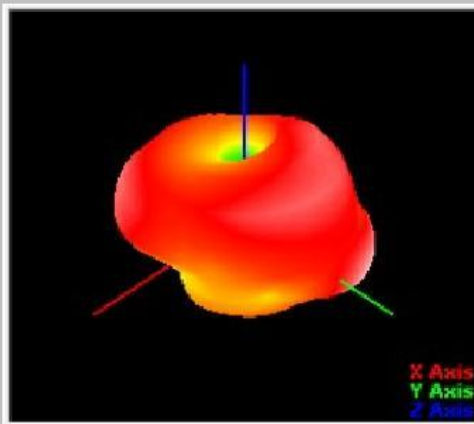
1. Product technical specification

Electrical Specifications	
Frequency Range(MHz)	2400-2500
Input Impedence(Ω)	50
V.S.W.R	≤ 1.5
Gain(dBi)	2.07
Polarization Type	Horizontal
Power Capacity(w)	2
Mechanical Specifications	
Antenna Length(mm)	14.4
Radiator	Cuprum
Connect Type	NC
Working Temp($^{\circ}\text{C}$)	-10~40
Storage Temperature($^{\circ}\text{C}$)	-20~55
antenna size	PCB Ant
Weight(g)	-

The size of the antenna(mm):



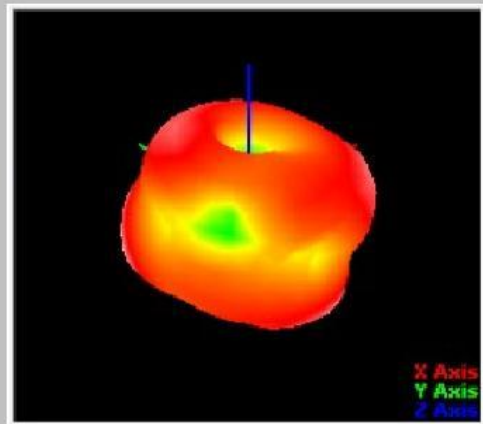
2. Image of antenna S11



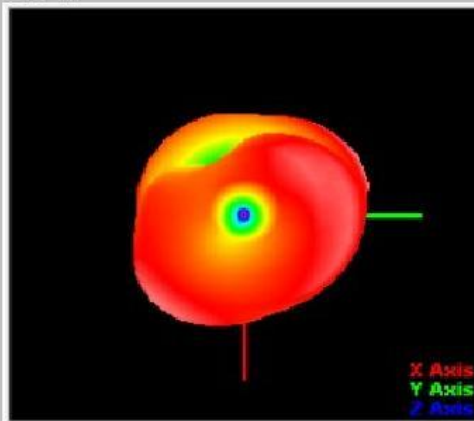
T45-P45



0.85
-4.85
-10.54
-16.24
-21.94
-27.63
-33.33
-39.02
-44.72
-50.42
-56.11
-61.81
-67.51
-73.2
-78.9
-84.6
-90.29
-95.99

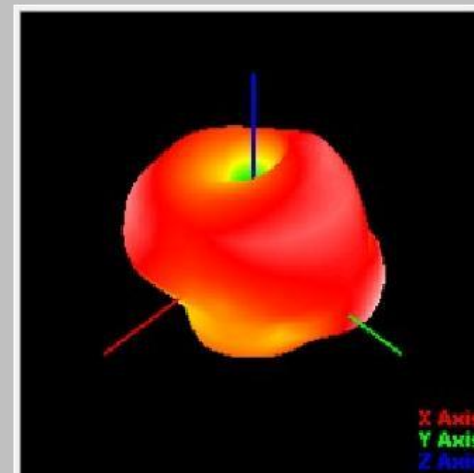


T45-P225



0.85
-4.85
-10.54
-16.24
-21.94
-27.63
-33.33
-39.02
-44.72
-50.42
-56.11
-61.81
-67.51
-73.2
-78.9
-84.6
-90.29

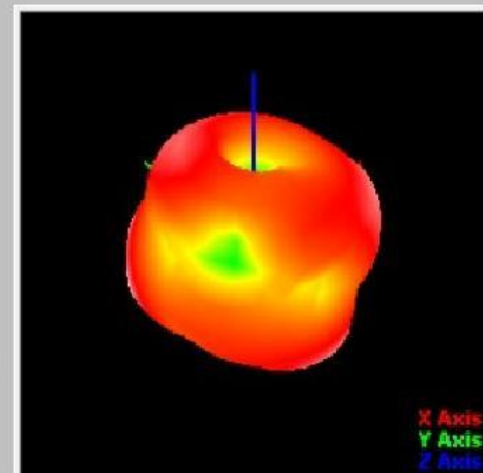
Coordination System Description:
Line Color XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0



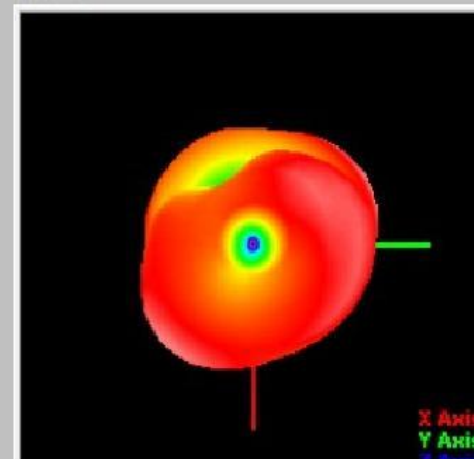
T45-P45



1.04
-4.67
-10.38
-16.09
-21.79
-27.5
-33.21
-38.92
-44.62
-50.33
-56.04
-61.75
-67.45
-73.16
-78.87
-84.57
-90.28
-95.99

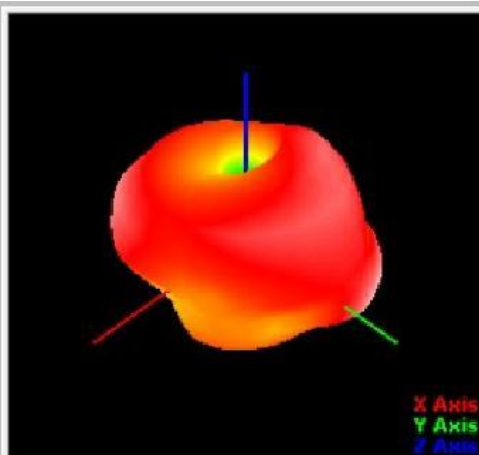


T45-P225



1.04
-4.67
-10.38
-16.09
-21.79
-27.5
-33.21
-38.92
-44.62
-50.33
-56.04
-61.75
-67.45
-73.16
-78.87
-84.57

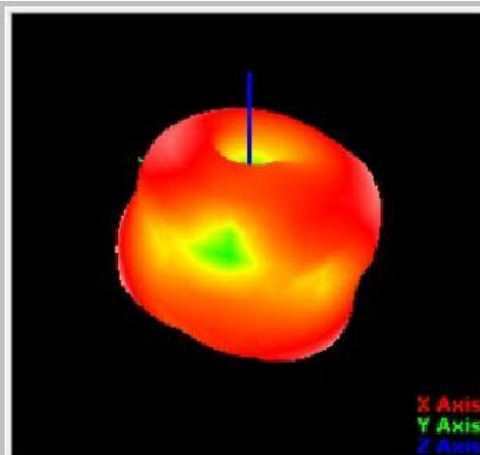
Coordination System Description:
Line Color XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0



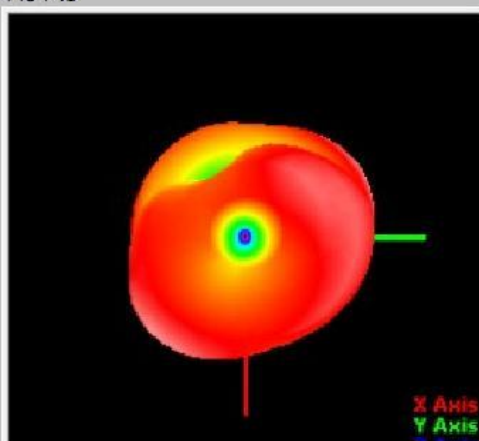
T45-P45



1.53
-4.21
-9.94
-15.68
-21.42
-27.15
-32.89
-38.62
-44.36
-50.1
-55.83
-61.57
-67.31
-73.04
-78.78
-84.52
-90.25
-95.99



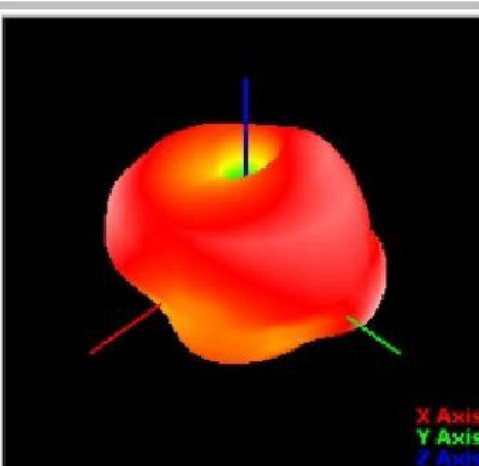
T45-P225



1.53
-4.21
-9.94
-15.68
-21.42
-27.15
-32.89
-38.62
-44.36
-50.1
-55.83
-61.57
-67.31
-73.04
-78.78
-84.52

Coordination System Description:

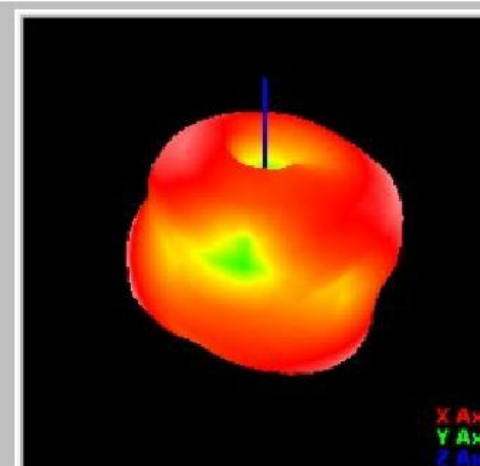
Line Color XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0



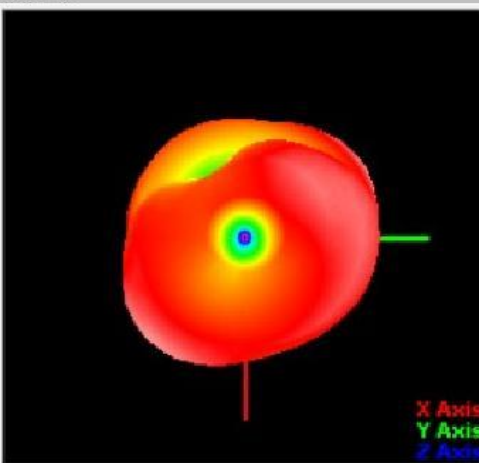
T45-P45



2.07
-3.69
-9.46
-15.23
-21
-26.77
-32.54
-38.3
-44.07
-49.84
-55.61
-61.38
-67.15
-72.92
-78.68
-84.45
-90.22
-95.99



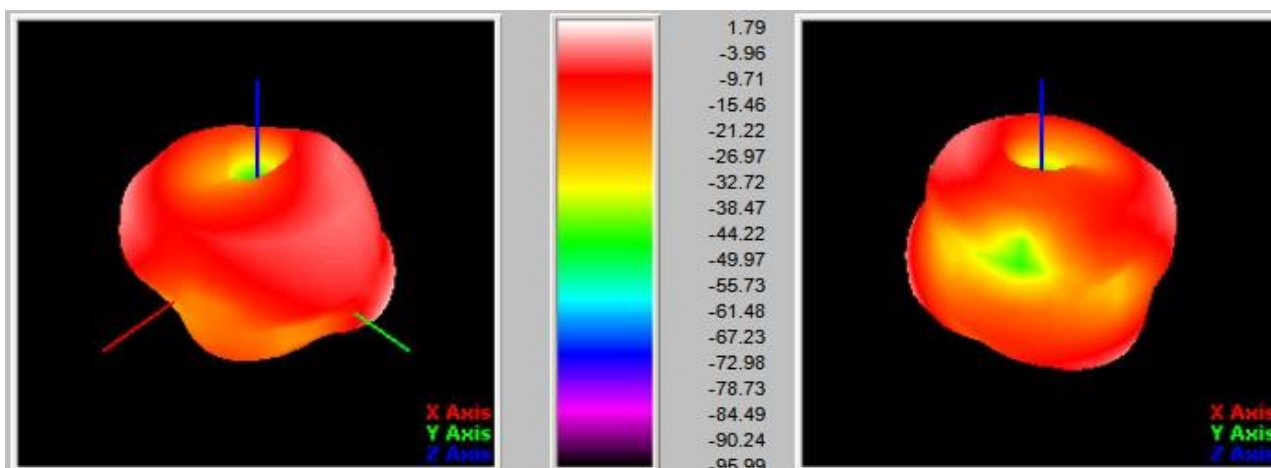
T45-P225



2.07
-3.69
-9.46
-15.23
-21
-26.77
-32.54
-38.3
-44.07
-49.84
-55.61
-61.38
-67.15
-72.92
-78.68
-84.45
-90.22

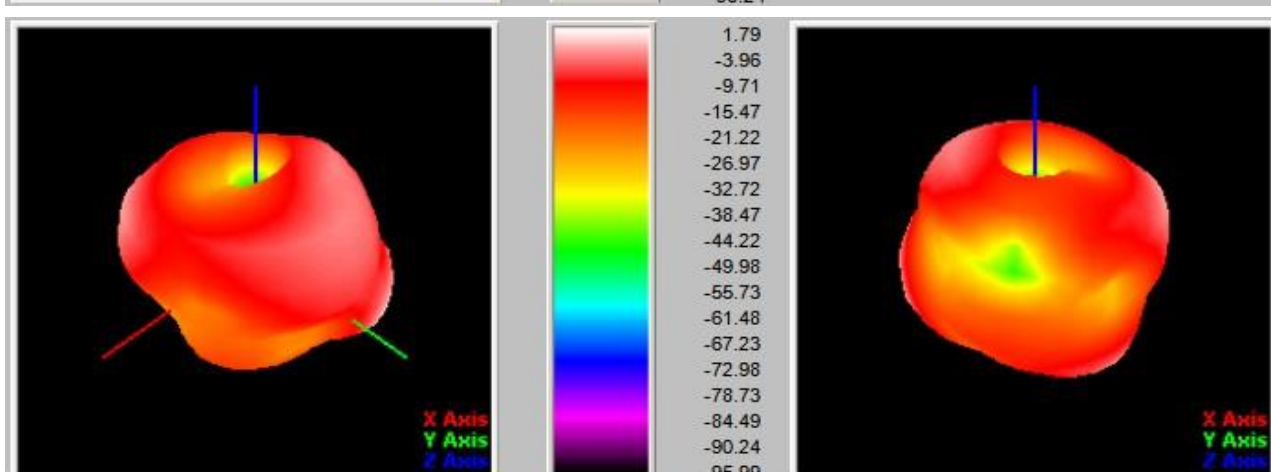
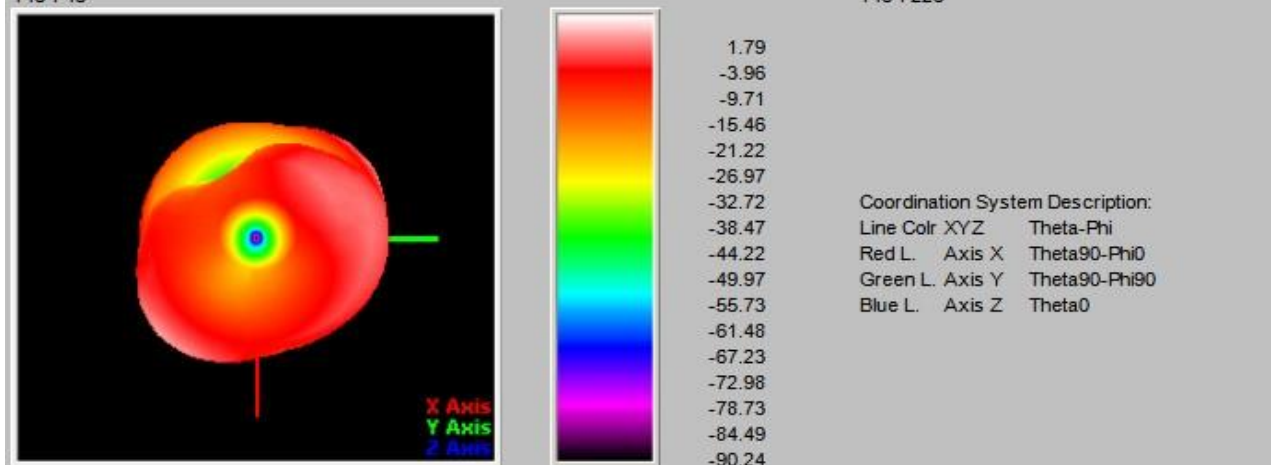
Coordination System Description:

Line Color XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0



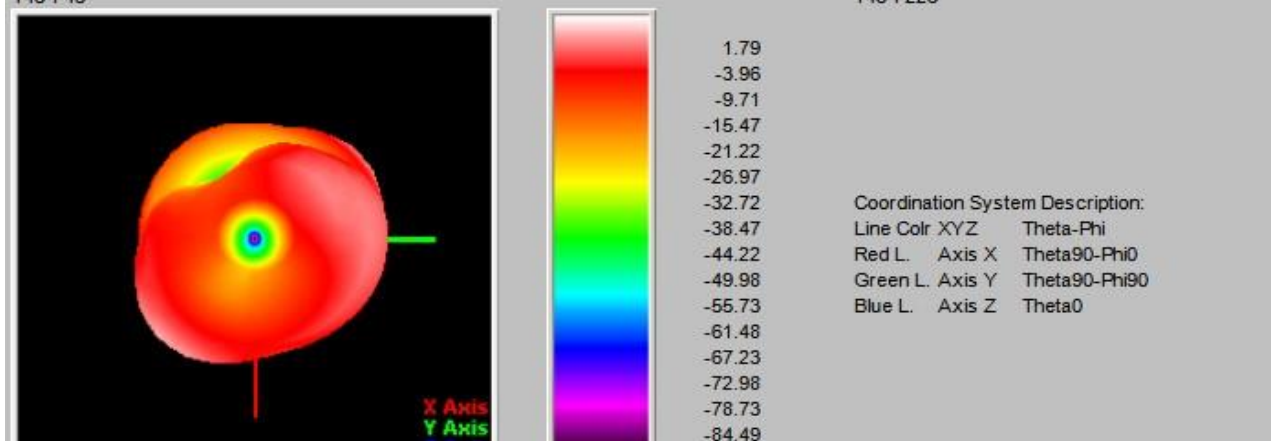
T45-P45

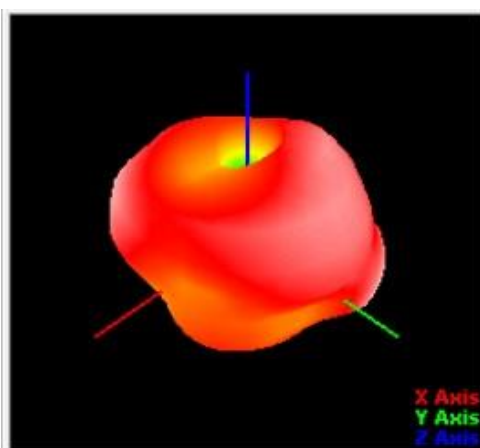
T45-P225



T45-P45

T45-P225

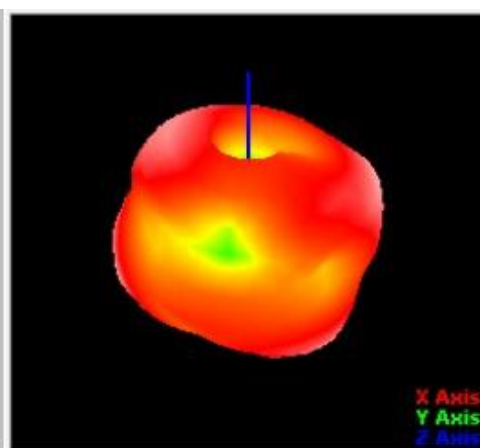




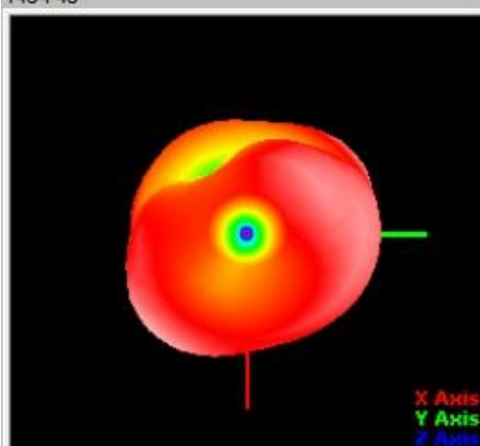
T45-P45



1.85
-3.9
-9.66
-15.41
-21.17
-26.92
-32.68
-38.44
-44.19
-49.95
-55.7
-61.46
-67.21
-72.97
-78.72
-84.48
-90.23
-95.99

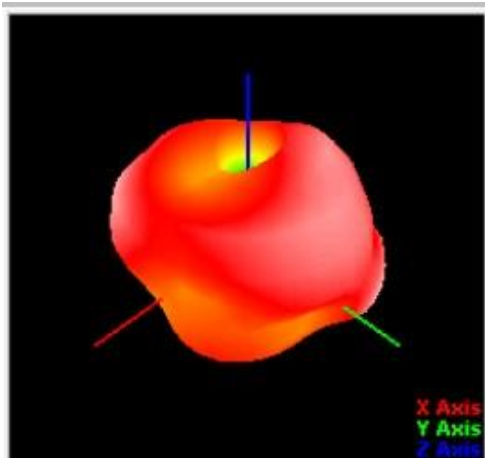


T45-P225



1.85
-3.9
-9.66
-15.41
-21.17
-26.92
-32.68
-38.44
-44.19
-49.95
-55.7
-61.46
-67.21
-72.97
-78.72
-84.48
-90.23

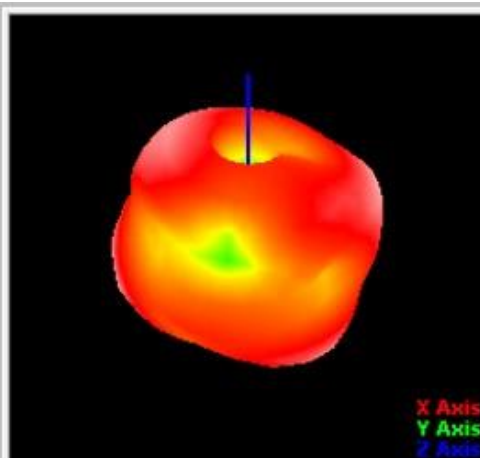
Coordination System Description:
Line Colr XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0



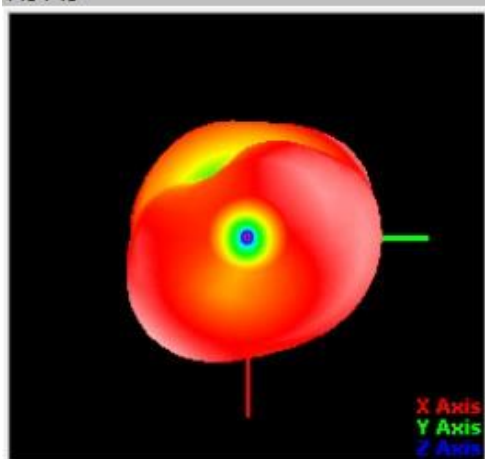
T45-P45



1.75
-4
-9.75
-15.5
-21.25
-27
-32.75
-38.5
-44.25
-50
-55.75
-61.5
-67.24
-72.99
-78.74
-84.49
-90.24
-95.99

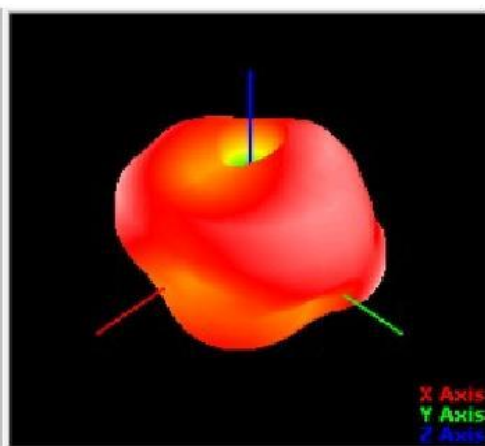


T45-P225

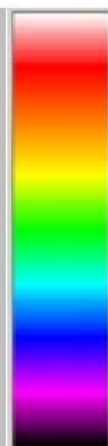


1.75
-4
-9.75
-15.5
-21.25
-27
-32.75
-38.5
-44.25
-50
-55.75
-61.5
-67.24
-72.99
-78.74
-84.49
-90.24

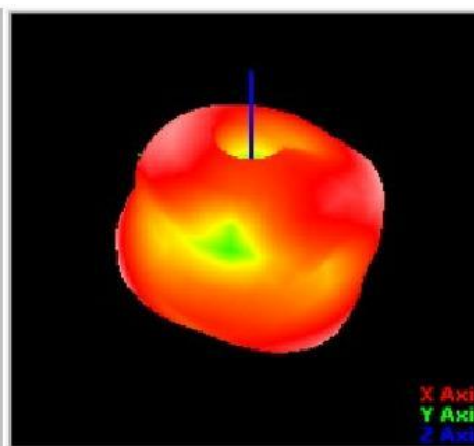
Coordination System Description:
Line Colr XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0



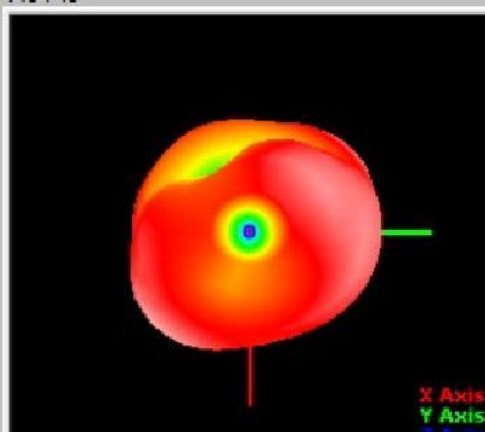
T45-P45



1.37
-4.35
-10.08
-15.81
-21.54
-27.26
-32.99
-38.72
-44.44
-50.17
-55.9
-61.63
-67.35
-73.08
-78.81
-84.54
-90.26
-95.99



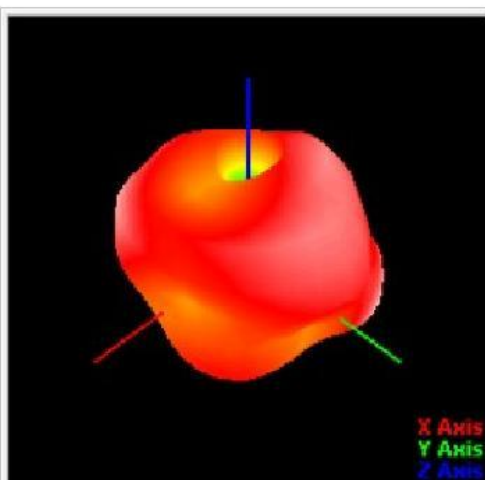
T45-P225



1.37
-4.35
-10.08
-15.81
-21.54
-27.26
-32.99
-38.72
-44.44
-50.17
-55.9
-61.63
-67.35
-73.08
-78.81
-84.54

Coordination System Description:

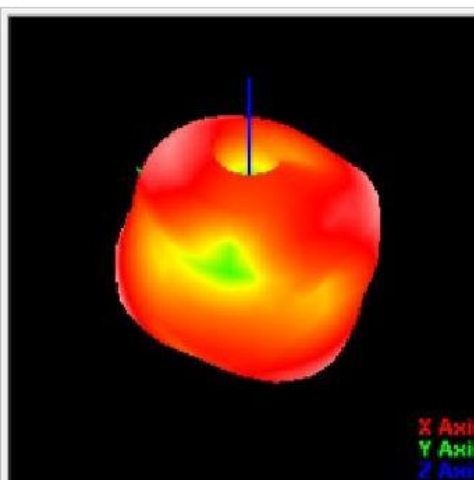
Line Color	XYZ	Theta-Phi
Red L.	Axis X	Theta90-Phi0
Green L.	Axis Y	Theta90-Phi90
Blue L.	Axis Z	Theta0



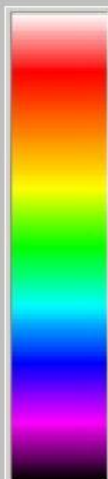
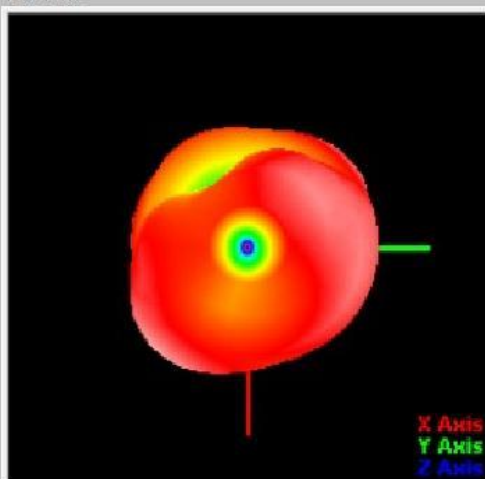
T45-P45



1.21
-4.51
-10.23
-15.95
-21.66
-27.38
-33.1
-38.81
-44.53
-50.25
-55.97
-61.68
-67.4
-73.12
-78.84
-84.55
-90.27
-95.99



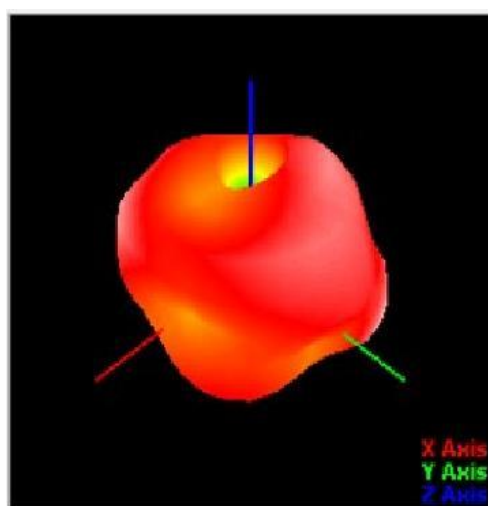
T45-P225



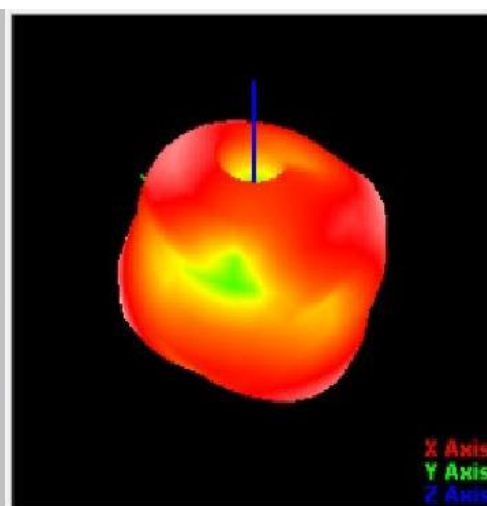
1.21
-4.51
-10.23
-15.95
-21.66
-27.38
-33.1
-38.81
-44.53
-50.25
-55.97
-61.68
-67.4
-73.12
-78.84
-84.55
-90.27

Coordination System Description:

Line Color	XYZ	Theta-Phi
Red L.	Axis X	Theta90-Phi0
Green L.	Axis Y	Theta90-Phi90
Blue L.	Axis Z	Theta0

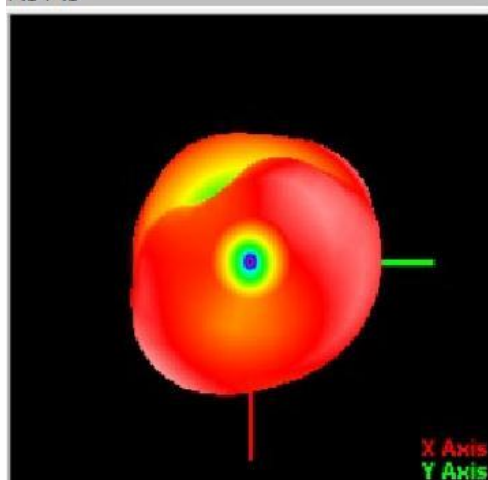


1.36
-4.37
-10.09
-15.82
-21.55
-27.27
-33
-38.73
-44.45
-50.18
-55.9
-61.63
-67.36
-73.08
-78.81
-84.54
-90.26
-95.99



T45-P45

T45-P225



1.36
-4.37
-10.09
-15.82
-21.55
-27.27
-33
-38.73
-44.45
-50.18
-55.9
-61.63
-67.36
-73.08
-78.81
-84.54

Coordination System Description:
Line Color XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0