

Antenna specification

Product Name: MS-622

Manufacture: Dingnan Jinpeng Electronic Co., LTD

Address: Jinpeng Industrial Park, Futian Industrial Park, Dingnan County,
Ganzhou City, Jiangxi Province

Antenna Type: PCB antenna

Antenna Size: 21.76mm*7.26mm

Project Engineer: Issac

Test Standards: ANSI/IEEE Std 149-2021

Test software being used: Emquest

Software Version: 1.1

Test Result: PASS

Issued Date: 2022-03-21

Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149- 2021

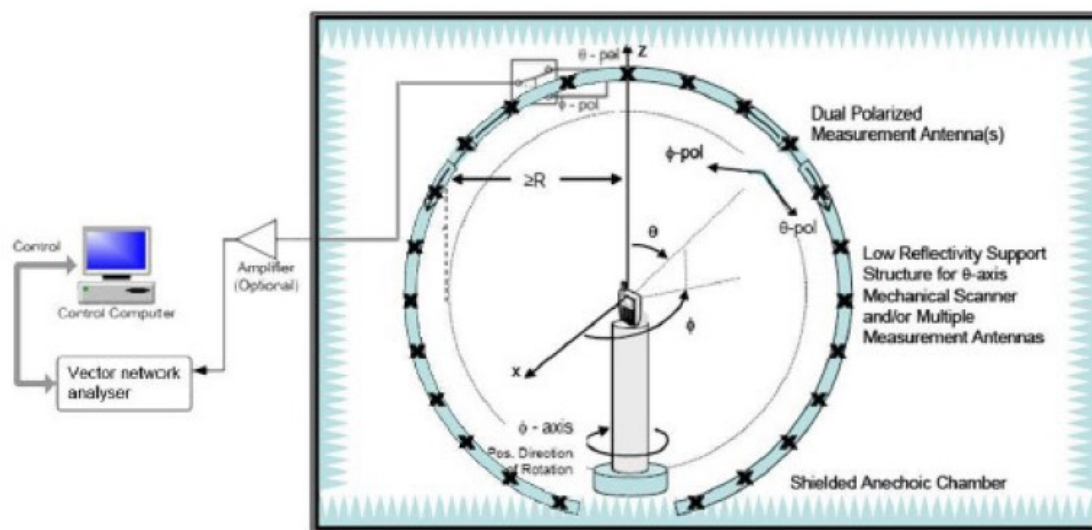
Equipment	Manufacturer	Mode No	Serial No	Cal date	Cal Due
Network Analyzer	Agilent	E5071B	MY48360957	2021/5/20	2022/5/19
Quad-Ridge Horn Antenna	ETS	Apr-64	62743	2021/5/20	2022/5/19
700 MHz-6 GHz MAPS Controller	ETS	7006	59957	2021/12/17	2022/12/16
Switch Control System	ETS	7001	MY42001152	2021/12/17	2022/12/16

2 Test Temperature and Humidity

Temperature: 23.2°C

Humidity: 65%

Test Setup



Name	Shenzhen RFI-LAB Communication Technology Co.,Ltd.
Address	10/F A, Lingyun Bld, Liufang Rd, Baoan District, SZ
Tel	13682621346
E-mail	rfi-lab@tech-now.com

Antenna Report

Specifications

Summary

ITEM

SPEC

Model Name : MS-622

Center Frequency 2402MHz -4.67dBi

2440MHz -1.66dBi

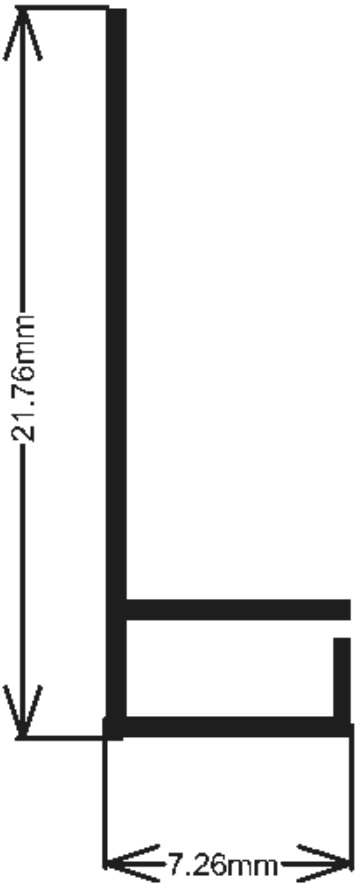
2480MHz -3.77dBi

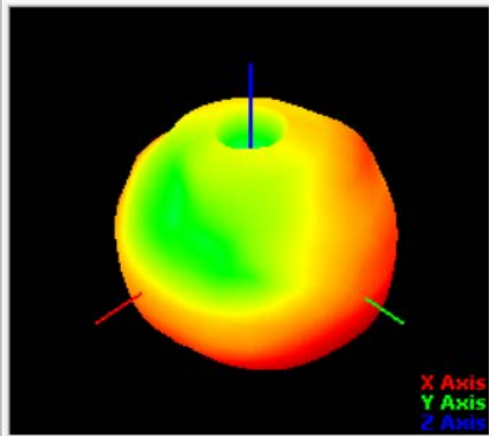
MAX. GAIN -1.66 dBi

Polarization Horizontal

Azimuth Beam Pattern Omni directional

Impedance 50Ω

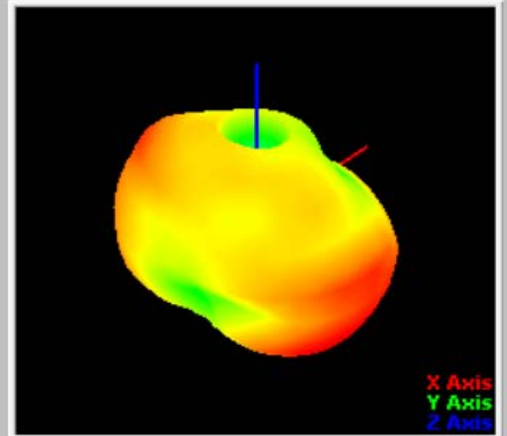




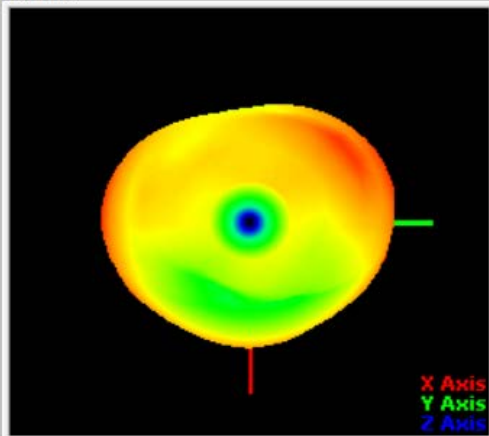
T45-P45



-4.7
-10.07
-15.44
-20.81
-26.18
-31.55
-36.92
-42.29
-47.66
-53.03
-58.4
-63.77
-69.14
-74.51
-79.88
-85.25
-90.62
-95.99



T45-P225



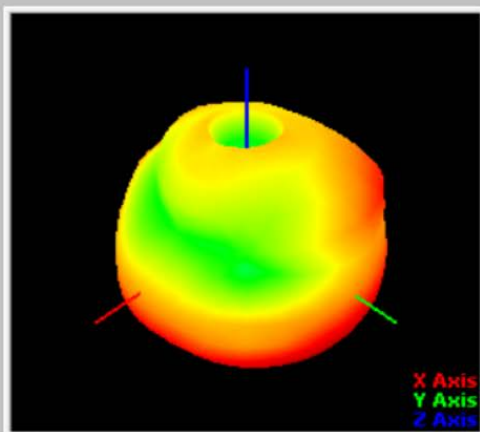
T45-P0



-4.7
-10.07
-15.44
-20.81
-26.18
-31.55
-36.92
-42.29
-47.66
-53.03
-58.4
-63.77
-69.14
-74.51
-79.88
-85.25
-90.62
-95.99

2402MHz

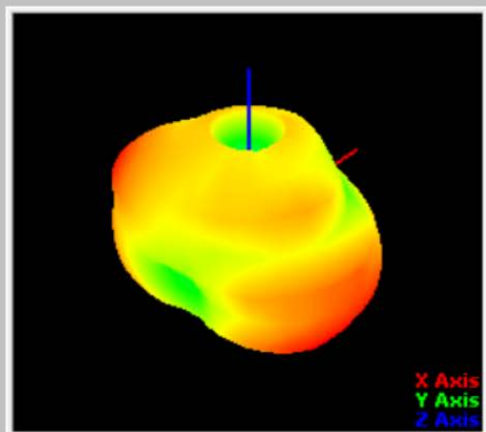
Coordination System Description:
Line Color XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0



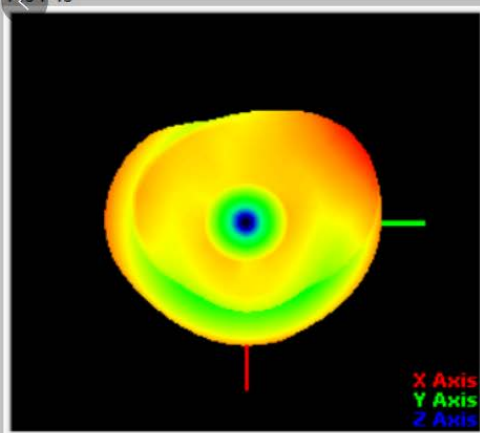
T45-P45



-1.66
-7.33
-12.87
-18.41
-23.95
-29.49
-35.04
-40.58
-46.12
-51.66
-57.2
-62.74
-68.28
-73.82
-79.37
-84.91
-90.45
-95.99



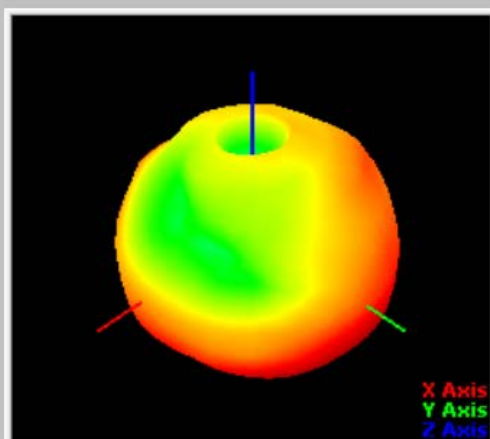
T45-P225



-1.66
-7.33
-12.87
-18.41
-23.95
-29.49
-35.04
-40.58
-46.12
-51.66
-57.2
-62.74
-68.28
-73.82
-79.37
-84.91
-90.45
-95.99

2440MHz

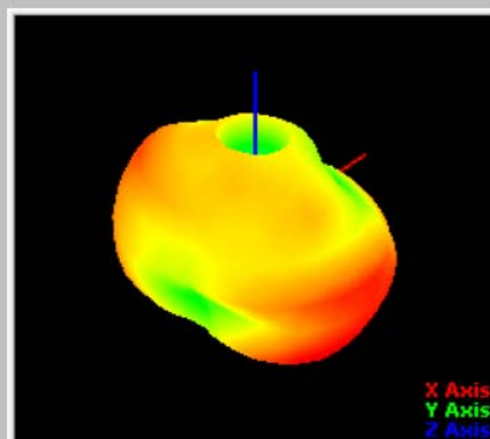
Coordination System Description:
Line Colr XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0



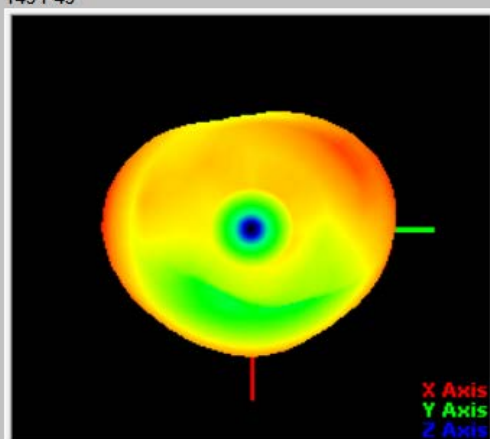
T45-P45



-3.77
-9.2
-14.62
-20.04
-25.47
-30.89
-36.32
-41.74
-47.17
-52.59
-58.02
-63.44
-68.87
-74.29
-79.72
-85.14
-90.57
-95.99



T45-P225

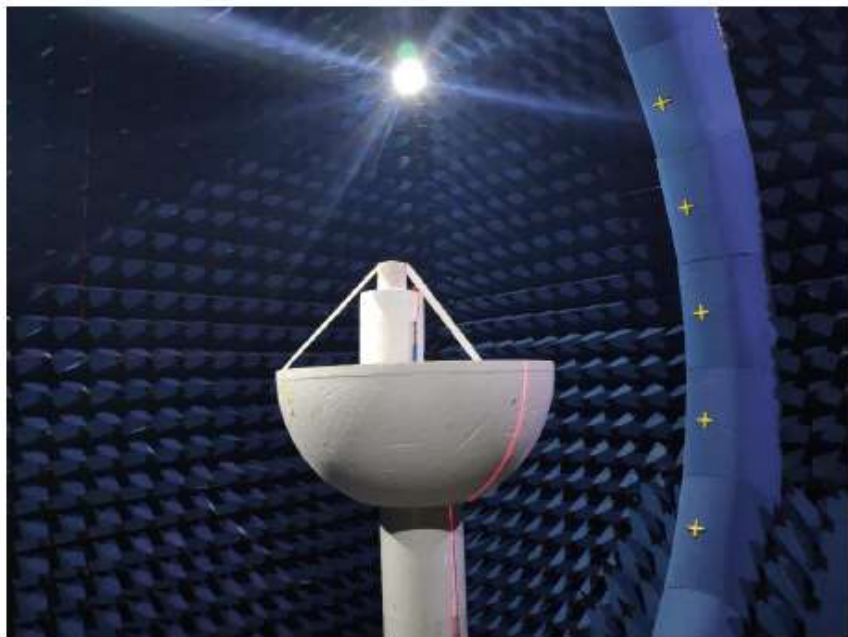
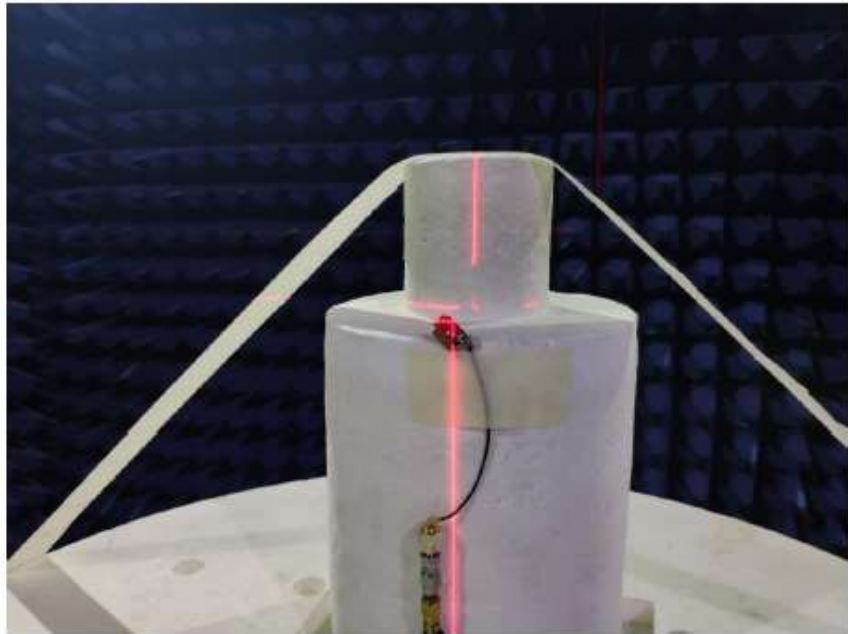


-3.77
-9.2
-14.62
-20.04
-25.47
-30.89
-36.32
-41.74
-47.17
-52.59
-58.02
-63.44
-68.87
-74.29
-79.72
-85.14
-90.57
-95.99

2480MHz

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

ANNEX C TEST SETUP PHOTO



EUT Photo

