



SPECIFICATION FOR APPROVAL

Date 2026/04/27
File No 26042701
Revision 1.0

CUSTOMER: AURA

CUSTOMER NO: AF310

PART NAME: WIFI Antenna

SUPPLIER NO: YJT01.238.003.301A

Date: Q'TY:

CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

ChenGuoqiang

ZhangLiqun

HuangTuyong

YJ-RD-F04-A





SpecItem

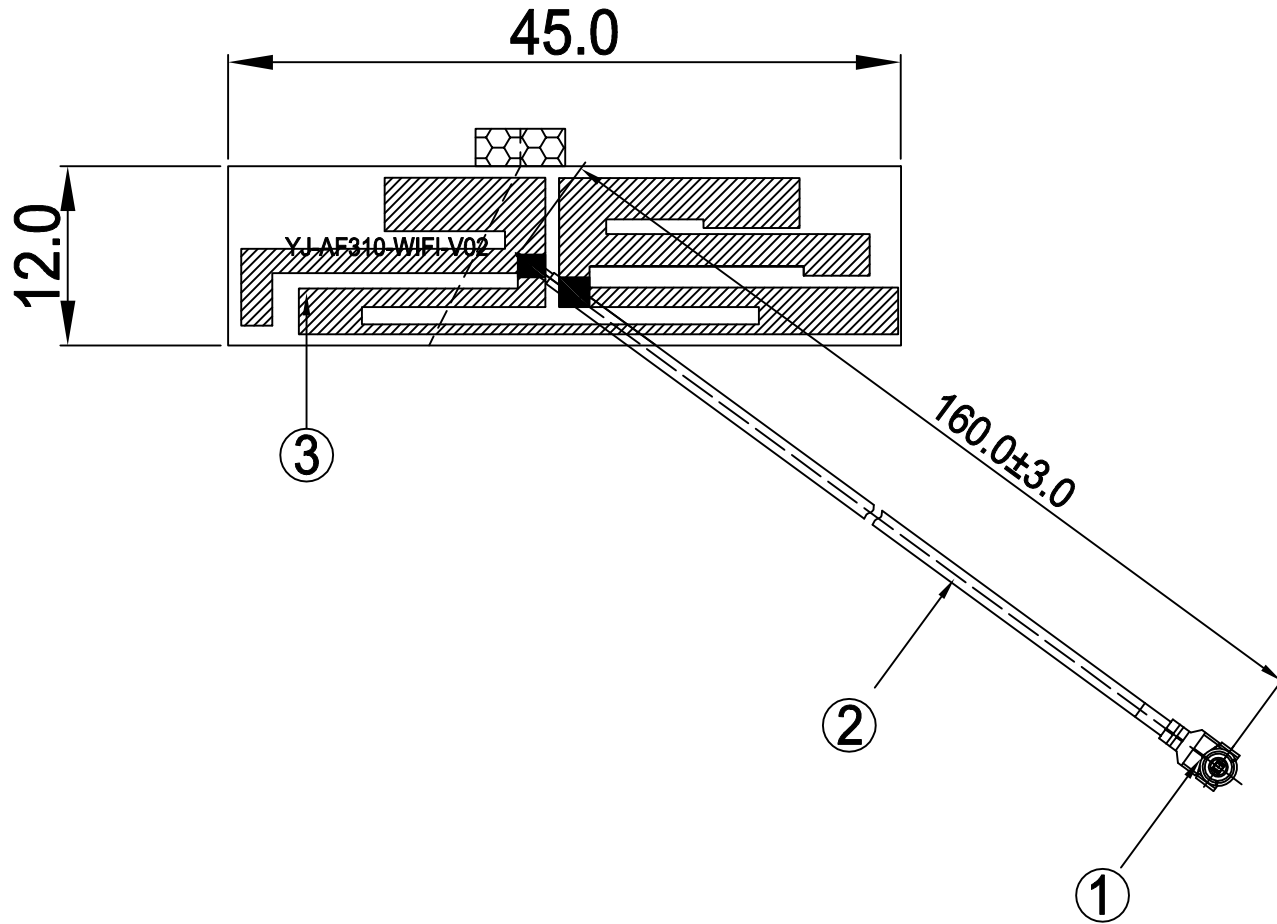
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RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
A	Initial Release	2026-03-17
B		



DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

PART NAME: WIFI Antenna

PART NO.: YJT01.238.003.301A

DATE: 2026-03-17

APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
Yin Tao	Tang Guohao	Huang Tuyong	UNITS: mm	X.X ±0.50
			SCALE: 1/1	X.XX±0.15
			REVISION: A	X° ±3°

3	FPCB	45.0*12.0MM	FPCB	T01.238.003.FPC0101A	1
2	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	COA10002A.P01	1
1	Mini Connector	Au Plated-1	Cu	TER10001A.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	4.1 dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

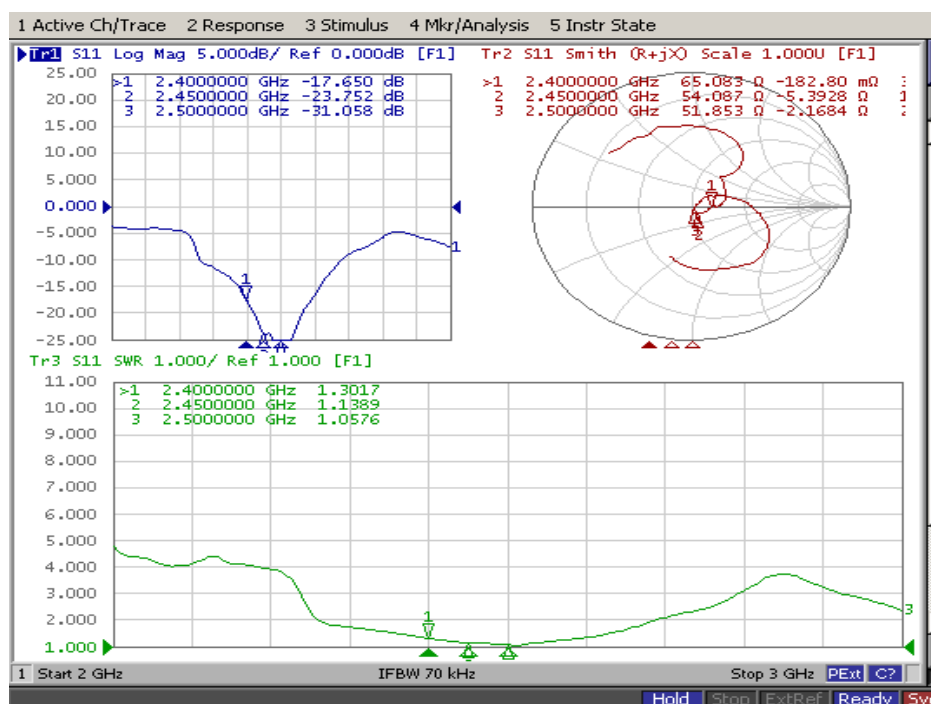
Connector	IPEX-1
Cable Type	O.D.1.13mm
Cable Length	160mm
Cable Color	Gray
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
WIFI
Antenna*





Passive Test For WIFI Antenna(2.4G)

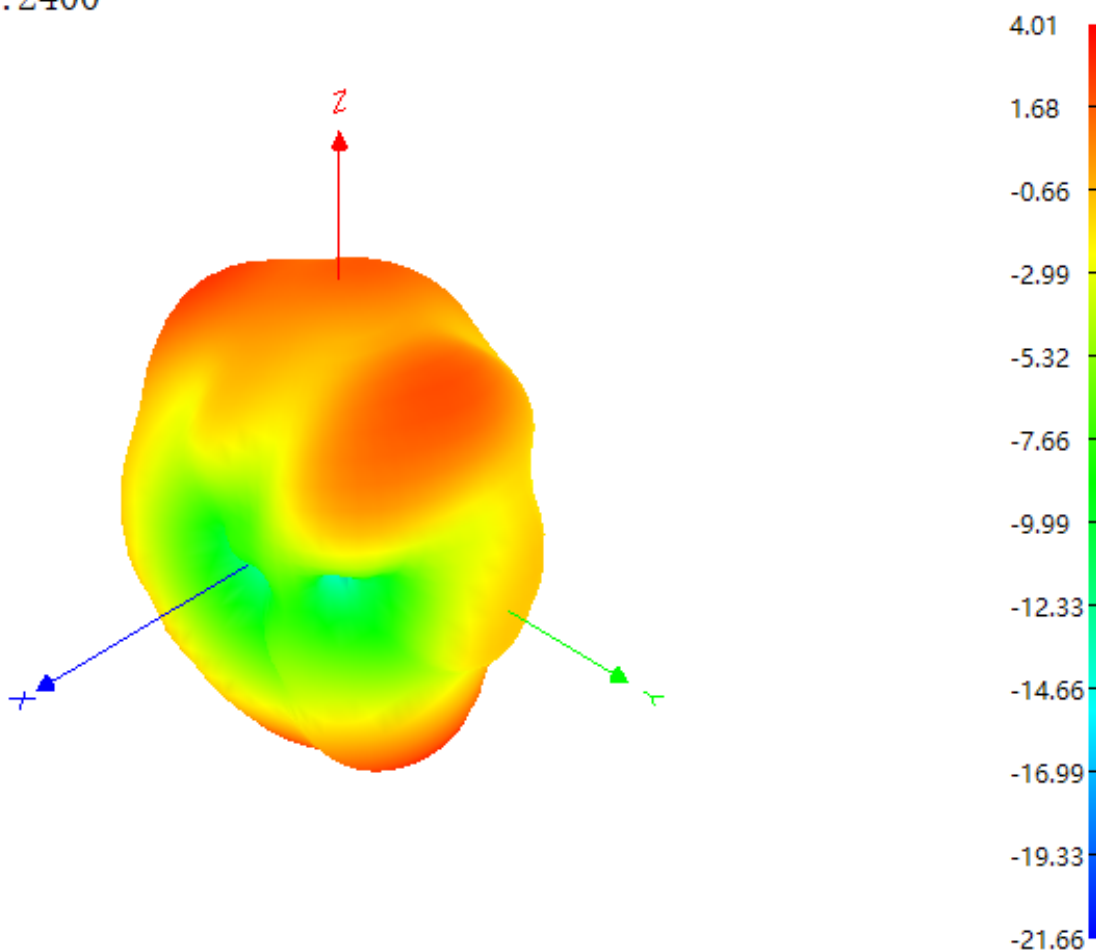
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	60.1	-2.2	4.0
2410	60.3	-2.2	4.1
2420	60.5	-2.2	4.1
2430	60.7	-2.2	4.0
2440	61.9	-2.1	3.9
2450	64.4	-1.9	3.9
2460	64.0	-1.9	4.0
2470	64.7	-1.9	3.8
2480	64.7	-1.9	3.7
2490	64.2	-1.9	3.8
2500	63.5	-2.0	3.4





Radiation Pattern For WIFI Antenna (2400MHz)

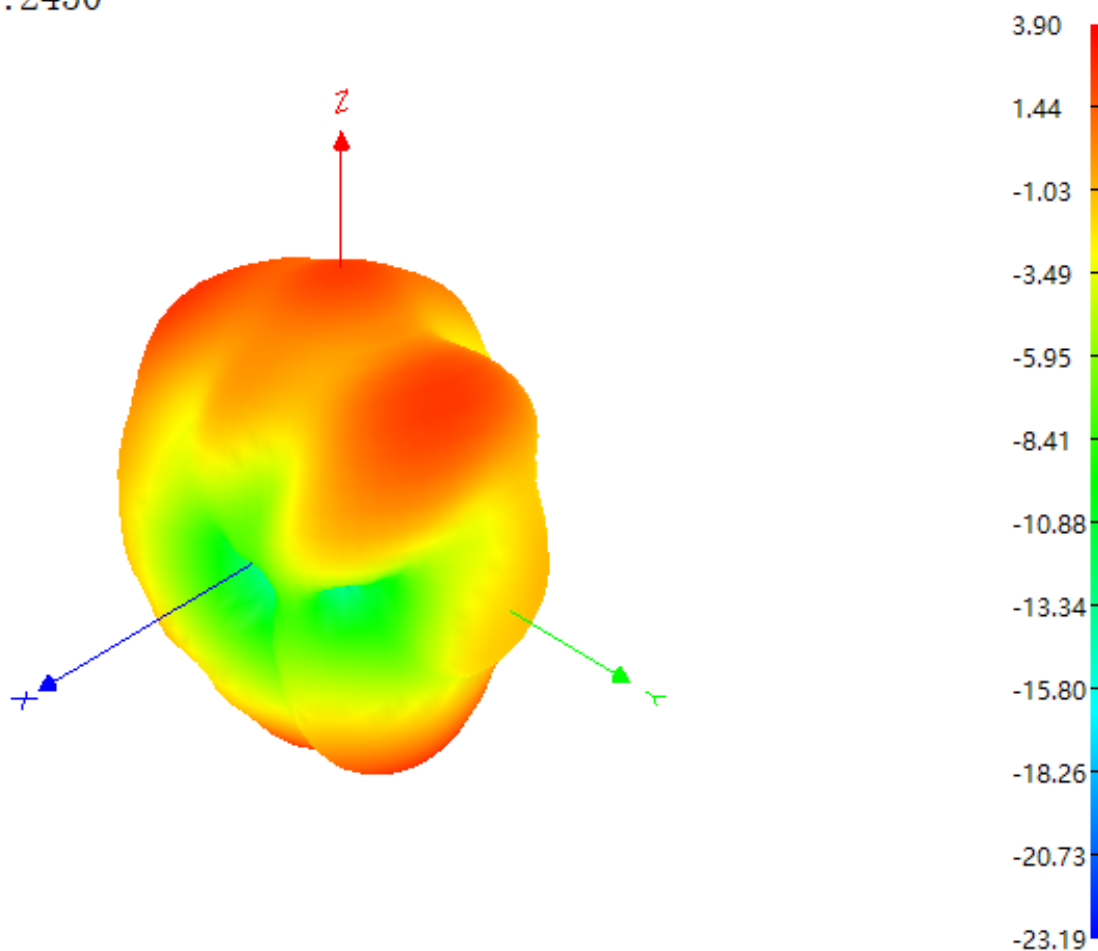
Frequency (MHz) : 2400





Radiation Pattern For WIFI Antenna (2450MHz)

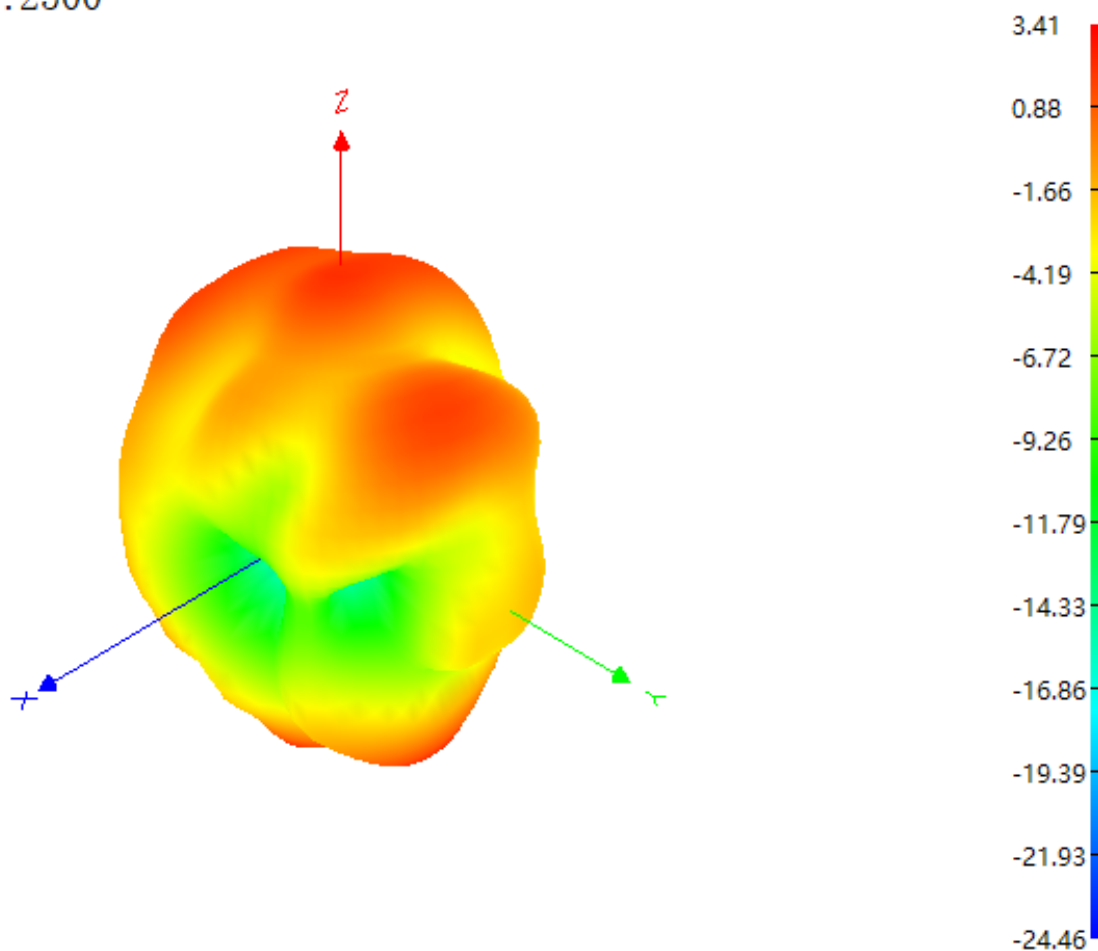
Frequency (MHz) :2450





Radiation Pattern For WIFI Antenna (2500MHz)

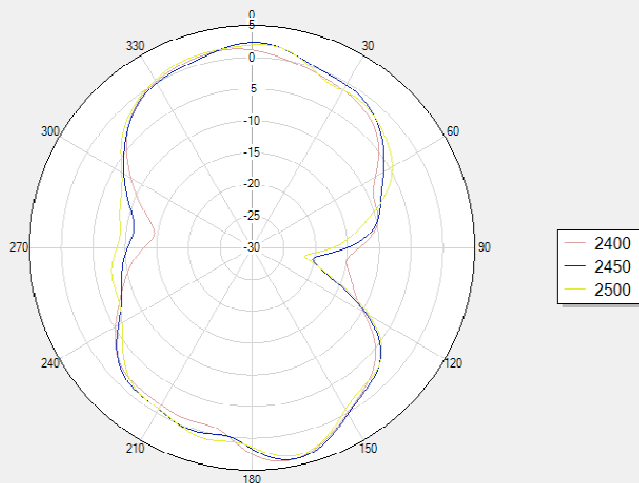
Frequency (MHz) :2500



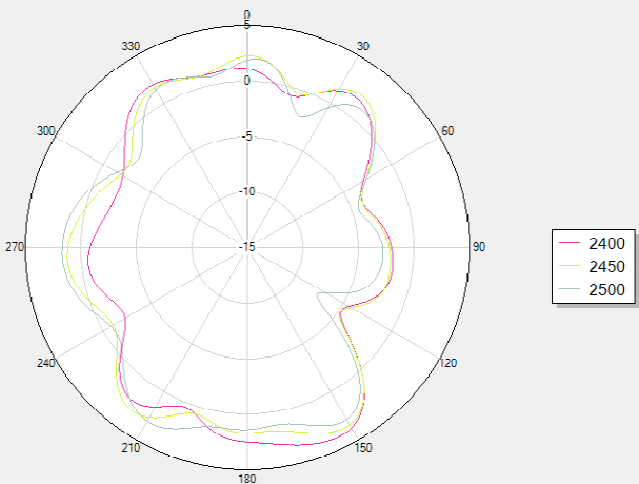


Radiation Pattern For WIFI Antenna

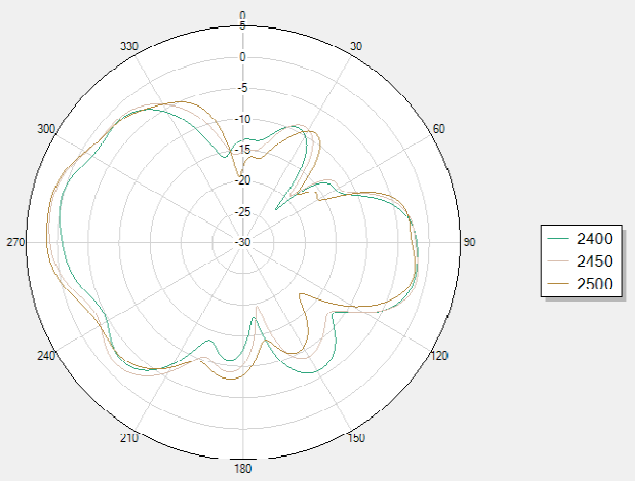
Phi 0°



Phi 90°



Theta 90°





Active Test For WIFI

Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	1	11Mbps	17.8	11Mbps	-84.2
	7		17.9		-80.6
	13		18.2		-84.3

