

规格承认书
SPECIFICATION FOR APPROVAL

客户名称:
CUSTOMER:

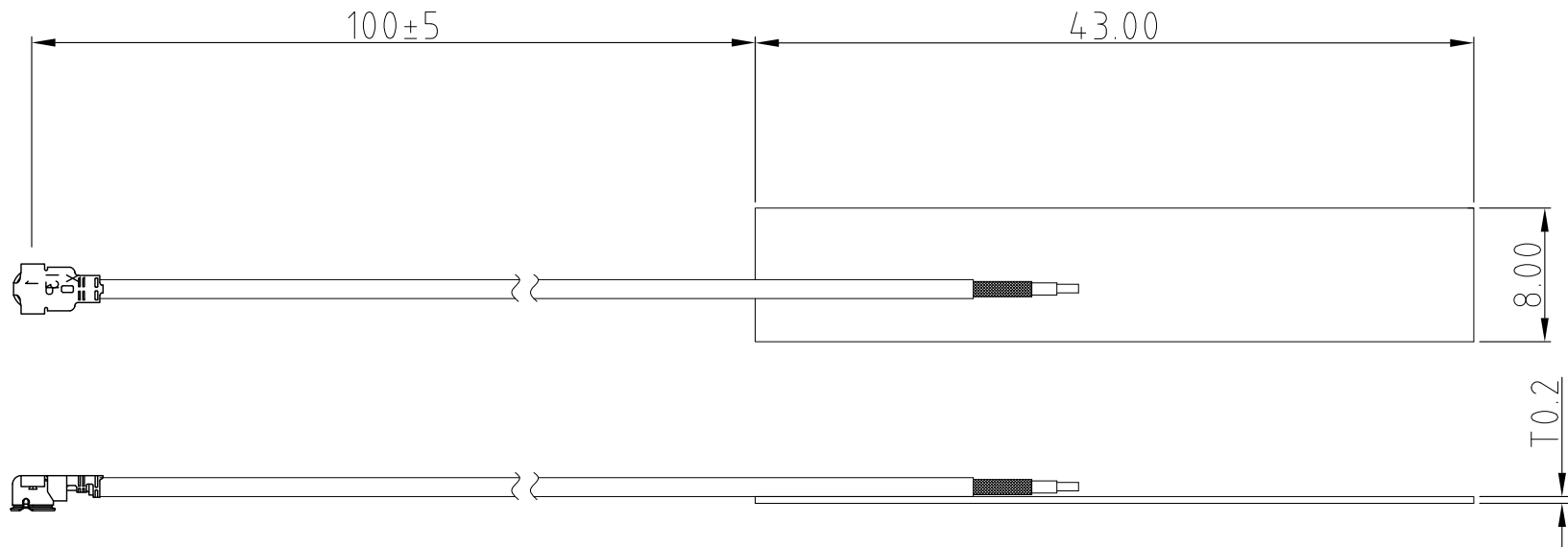
客户料号:
CUSTOMER NO:

品 名:
PART NAME:WIFI Antenna With RG1.13 Cable MHF1 Connector

RS 料号
RS NO: B43X.W0.1.334

SUPPLIER SIGNATURE(供方确认)		
APPROVAL	CHECK	DESIGN
king	Frank	HZH

CUSTOMER APPROVED BY(客户确认)		
APPROVAL	CHIEF	SUPERVISOR



Electrical Properties

Frequency Range	2.4~2.5GHz
Impedance	50 Ω
V.S.W.R.	≤ 2.0
Radiation	Omni
Gain	2.5 dBi
Polarization	Vertical

Mechanical Properties

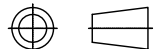
Radome	FPC
Standard Connector	MHF
Waterproof level	N.A
Operating Temp	$-\phi 40^{\circ} \sim +85^{\circ}$

BOM

NO	Name	Material	Finish	QTY
1	Antenna	FR4	BLACK	1
2	cable	RG1.13	Gray	1
3	MHF Connector	copper	GOLD	1

3M 300L SE
3M 300L SE
3M 300L SE
3M 300L SE

THIRD ANGLE
PROJECTION



Tolerance
.X ± 0.1
.XX ± 0.05
.x $\pm 1^{\circ}$

DRAWN BY	li	MATERIAL:		PART NO:	D43X.W0.1.334
CHECKED BY		FINISH:	Black	TITLE:	WiFi Antenna
APPROVED BY	King	UNIT:	mm		
DATE:	23.12.28	SCALE:	1/1		

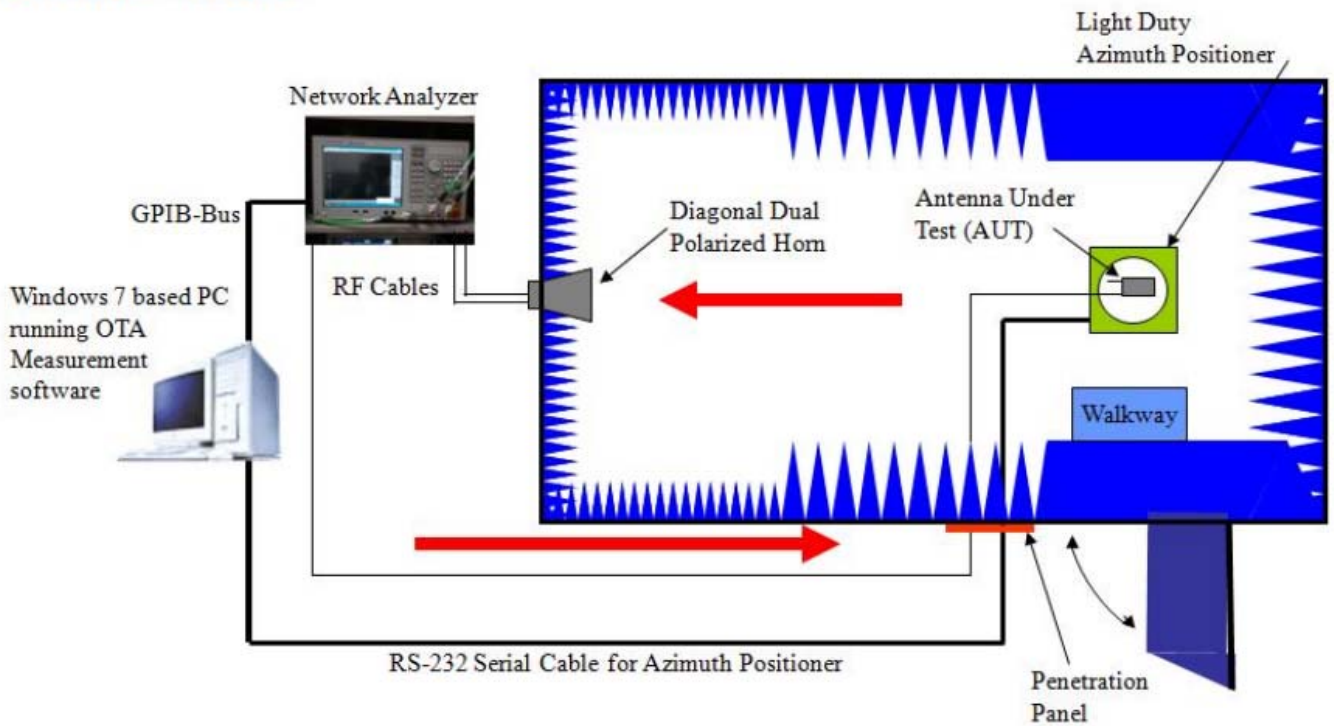
RS[®] RUNSHUN
Dongguan Run Shun /www.rsantenna.com

Electrical properties		
Frequency	2.4~2.5GHz	
Impedance	50 ohm Nominal	
Return Loss	-10 dBi	
VSWR	2.0:1 MAX	
WiFi Antenna Gain	2.4GHz~~1.82dBi Efficiency60.8% 2.45GHz~~2.5dBi Efficiency62.0% 2.5GHz~~2.0dBi Efficiency66.9%	
Connector	MHF 1	
Cable length	RG1.13 Black 10CM	
Coax cable loss	0.58dB/M--500MHz 2.2db/M--1000MHz 3.4db/M--2000MHz 4.2db/M--3000MHz 4.5db/M--4000MHz 5.2db/M--5000MHz 5.6db/M--6000MHz	
Mechanical Properties		
Radome	FPC	
Operating Temp	-40℃ to +80℃	
Radome Color	Black	

产 品 照 片
Product Photos



Passive mode



TEST INSTRUMENT :

1. AGILENT E5071C NETWORK ANALYZER
2. 3D OTA Chamber(WanShih)

Anechoic Chamber External Dimensions

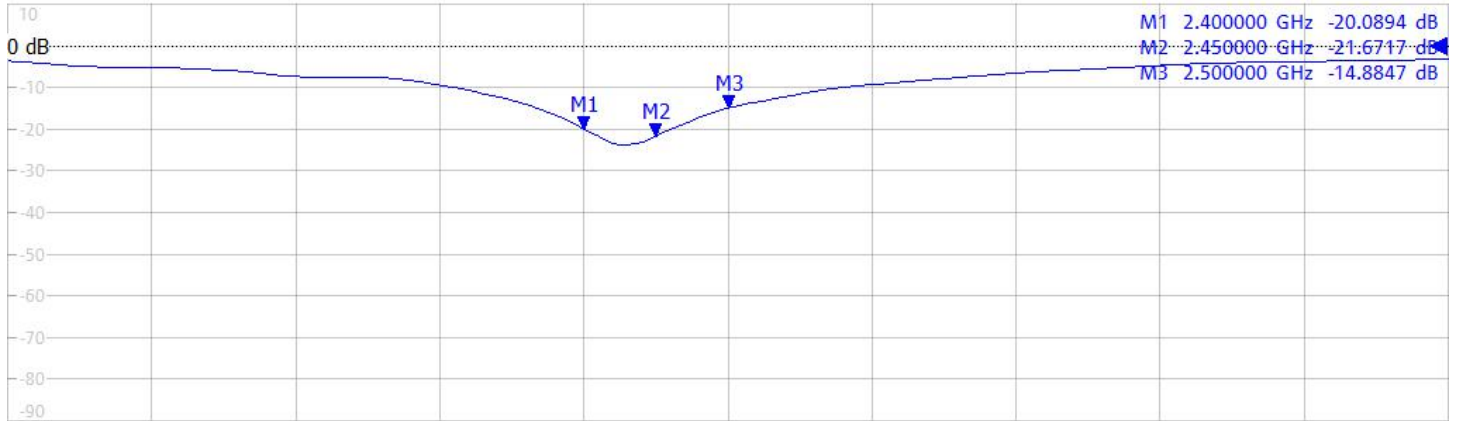
(L x W x H): 8m x 4m x 4m

WiFi VSWR

2/23/2022 12:58:04 PM
1328.5170K92-101595-Kd

Trc1 — S11 dB Mag 10 dB/ Ref 0 dB Cal

1



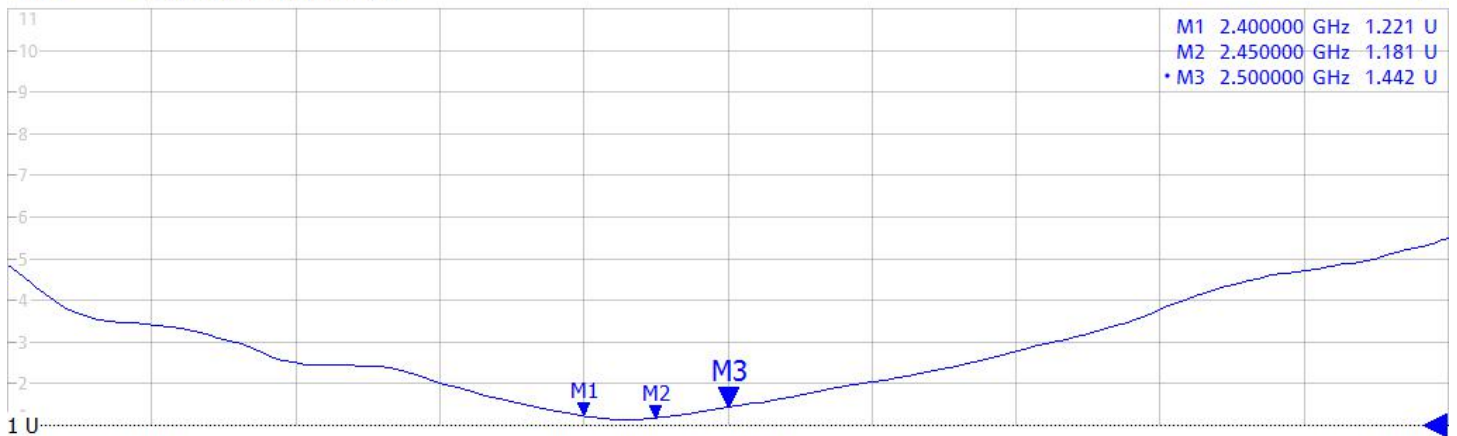
Ch1 Start 2 GHz

Pwr -10 dBm Bw 10 kHz

Stop 3 GHz

Trc2 — S11 SWR 1 U/ Ref 1 U Cal

2

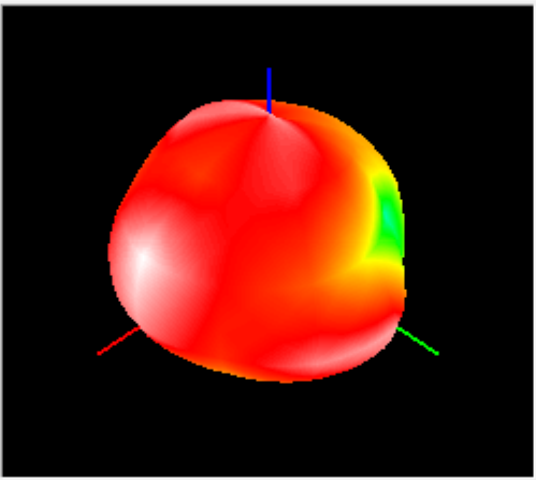


Ch1 Start 2 GHz

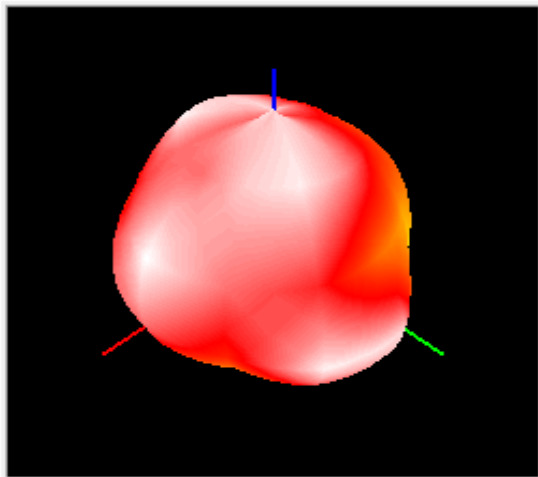
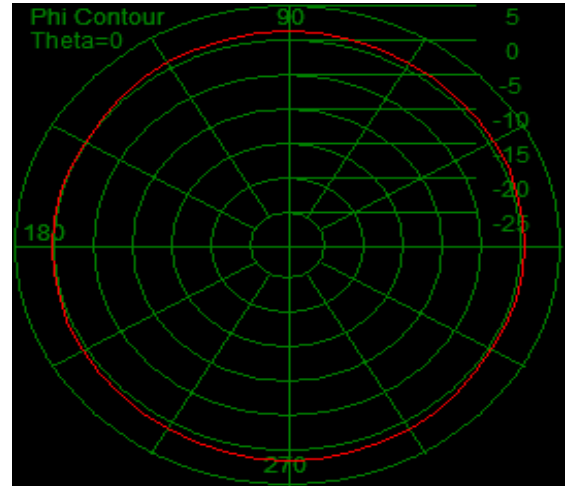
Pwr -10 dBm Bw 10 kHz

Stop 3 GHz

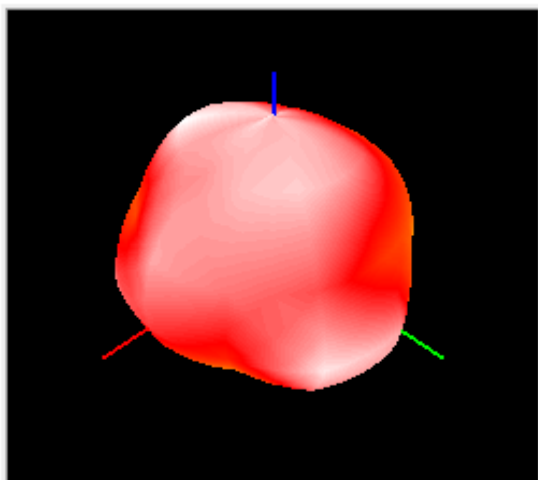
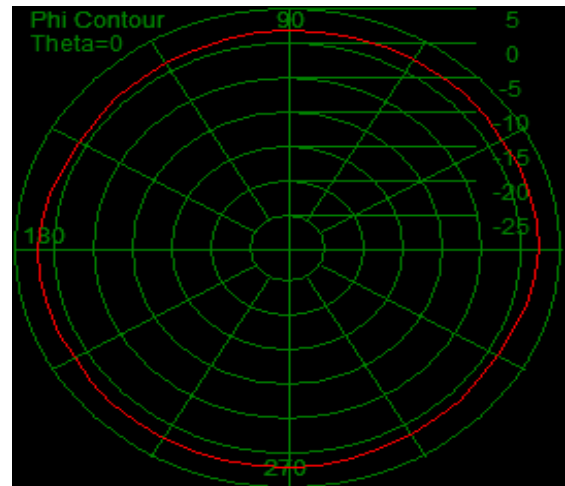
Radiation Patterns



2.4GHz



2.45GHz



2.5GHz

