

規 格 承 認 書
SPECIFICATION FOR APPROVAL

客戶名稱：
CUSTOMER:

客戶料號：
CUSTOMER NO:

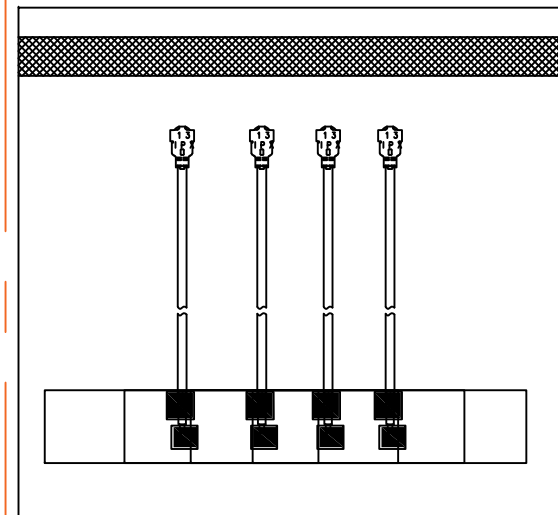
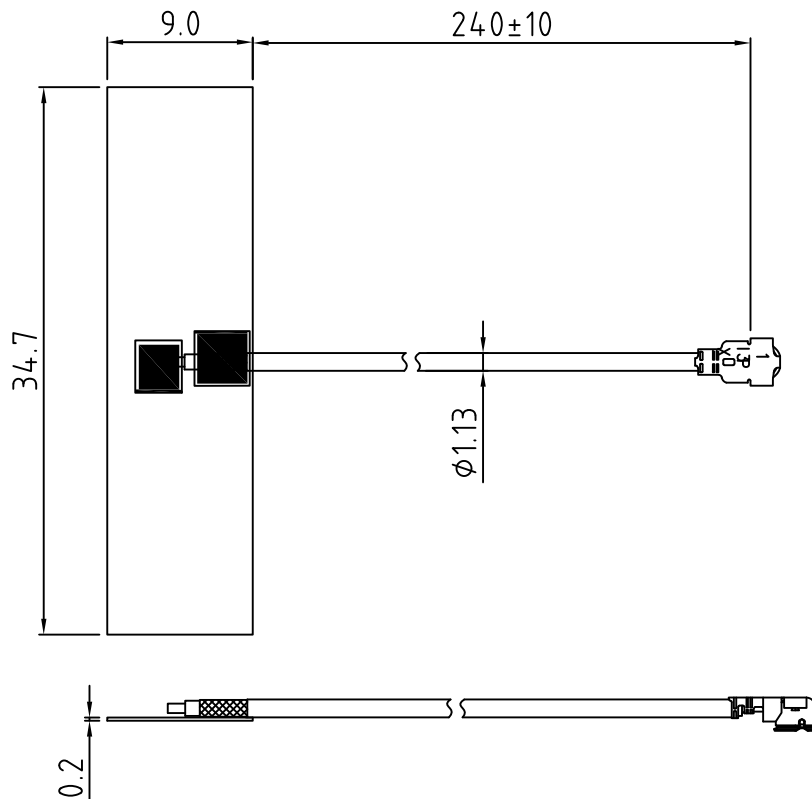
品 名
PATR NAME: WIFI FPC Antenna

RS 料號
RS NO: B34X.W3.1

SUPPLIER SIGNATURE (供方確認)		
APPROVAL	CHECK	DESIGN
king	Frank	HZH

CUSTOMER APPROVED BY (客戶確認)		
APPROVAL	CHIEF	SUPERVISOR

3M 3M
3M 3M



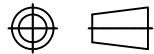
20PCS PE/BAG
Package

Electrical Properties

Frequency Range	2.4~5.8GHZ
Impedance	50 Ω
V.S.W.R.	≤2.0
Radiation	Omni
Gain	3.5 dBi
Polarization	Vertical
Mechanical Properties	
Whip	FPC
Standard Connector	MHF1
Weight	- g(est)
Operating Temp	-40°~ +85°

NO	Name	Material	Finish	QTY	Raw Material Manufacturer Name
1	Antenna	FPC	BLACK	1	RUNSHUN
2	RG1.13 Cable	FEP	BLACK	1	RUNSHUN
3	MHF1 Connector	Copper	GOLD	1	RUNSHUN
4	3M Glue		Yellow	1	RUNSHUN

THIRD ANGLE
PROJECTION



Tolerance
.X ±0.1
.XX ±0.05
.x ±1°

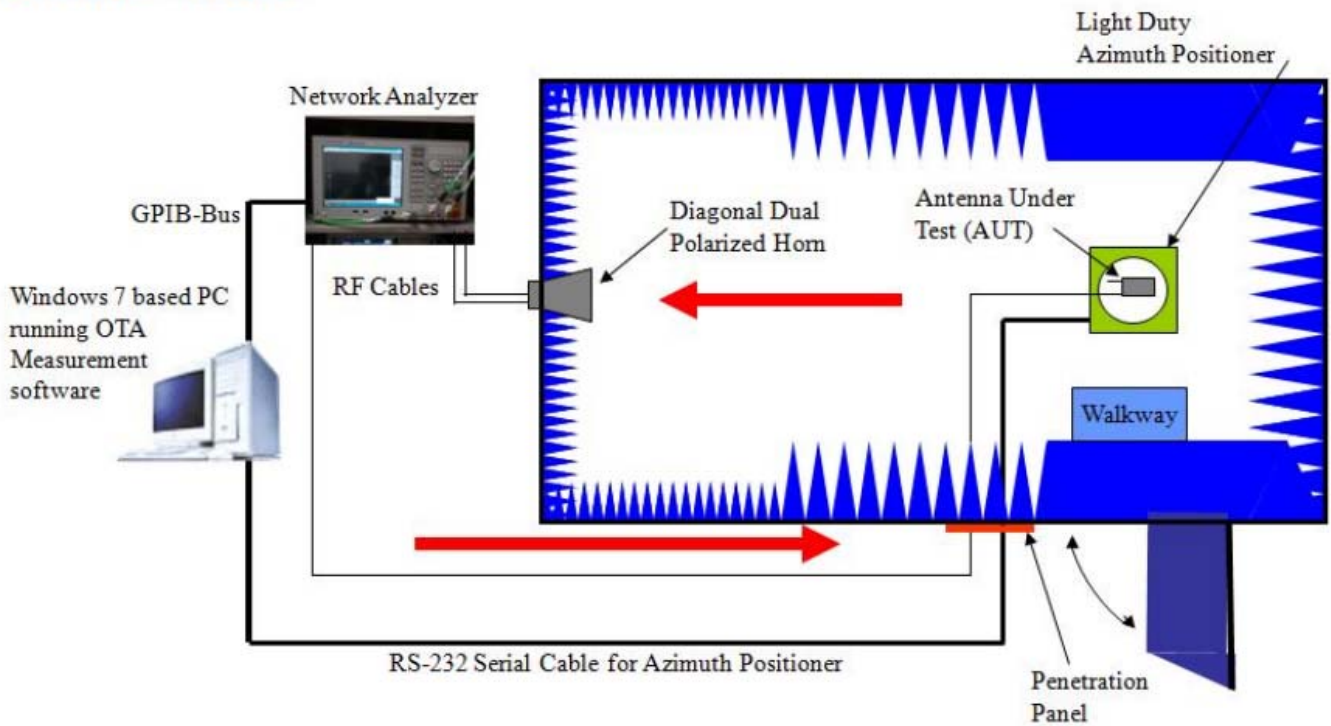
DRAWN BY	li	MATERIAL:		PART NO:	B34X. W3. 1. 333
CHECKED BY		FINISH:	BLACK	TITLE:	2.4~5.8GHz FPC Antenna
APPROVED BY	King	UNIT:	mm	 RUNSHUN Dongguan Run Shun/www.rsantenna.com	
DATE:	20. 12. 22	SCALE:	1/1		

产 品 规 格 概 述

Overview of product specification

Electrical properties	
Frequency	2.4~6GHz
Impedance	50 ohm Nominal
Return Loss	-10 dBi
VSWR Port 1&2	2.0:1 MAX
Gain	2.4GHz~ 2.5dBi 2.45GHz~3.0dBi 2.5GHz~ 3.9dBi 5.8GHz--2.5dBi 5.85GHz-2.5dBi 5.9GHz--2.7dBi
Connector	MHF1
Cable length	RG1.13 Black
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°C to +80°C
Radome Color	Black

Passive mode

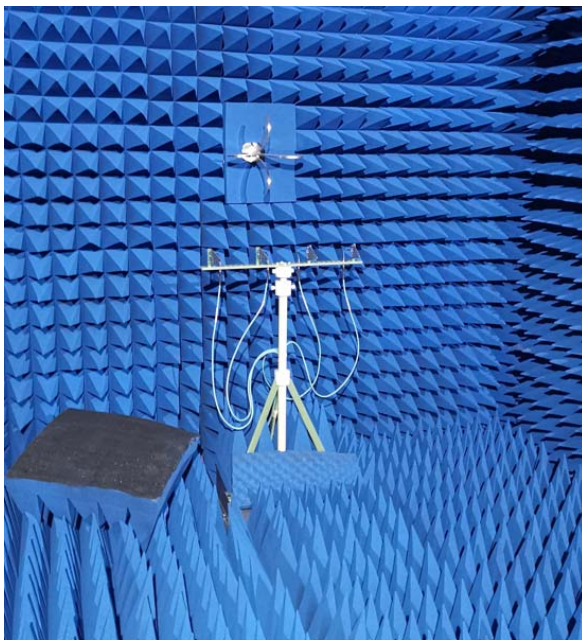


TEST INSTRUMENT :

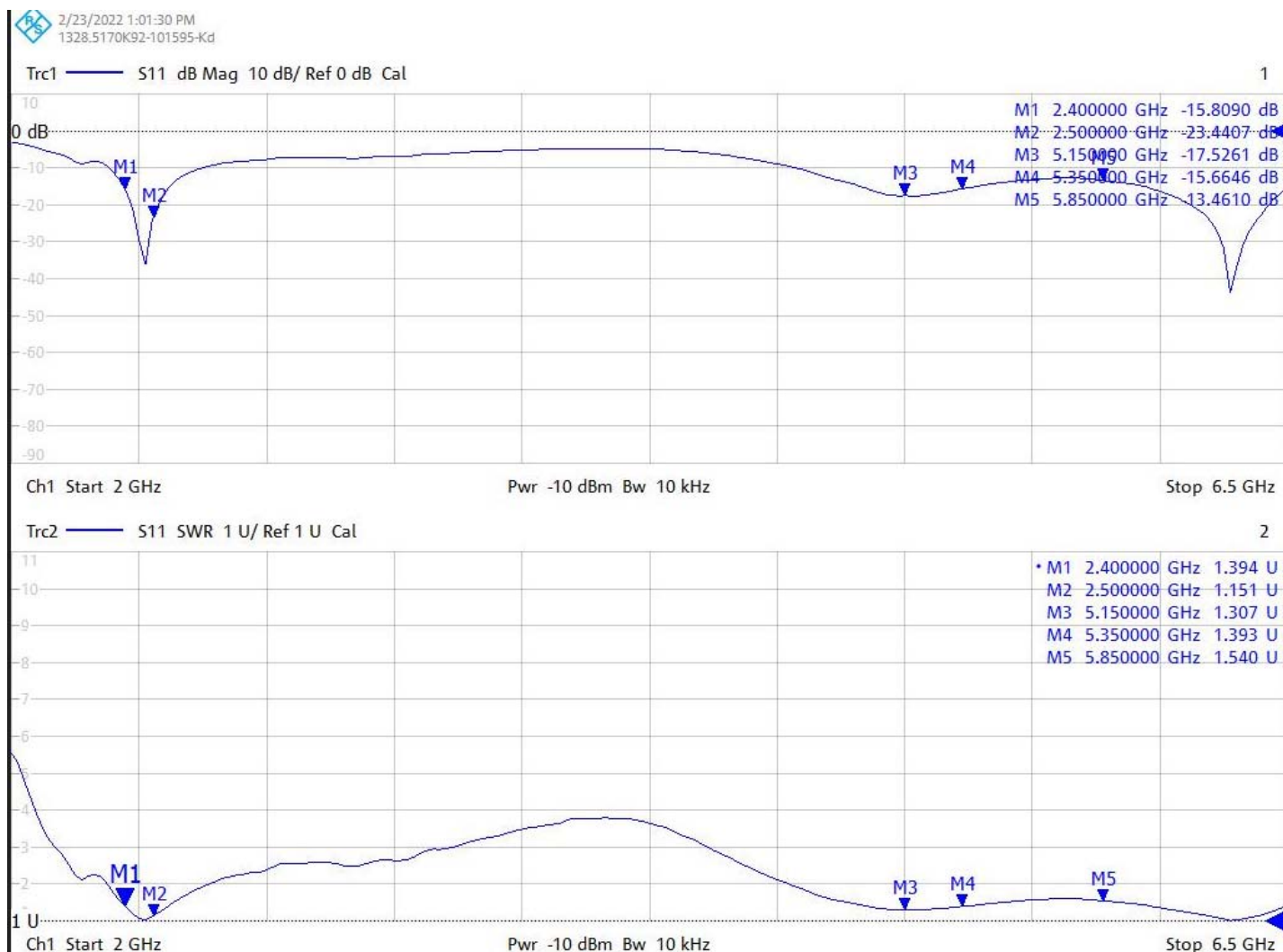
1. AGILENT E5071C NETWORK ANALYZER
2. 3D OTA Chamber(WanShih)

Anechoic Chamber External Dimensions

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



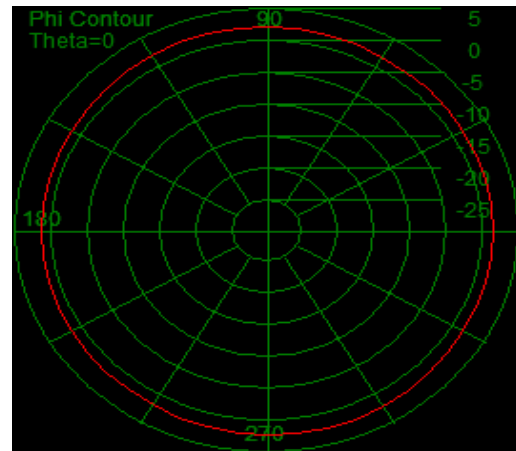
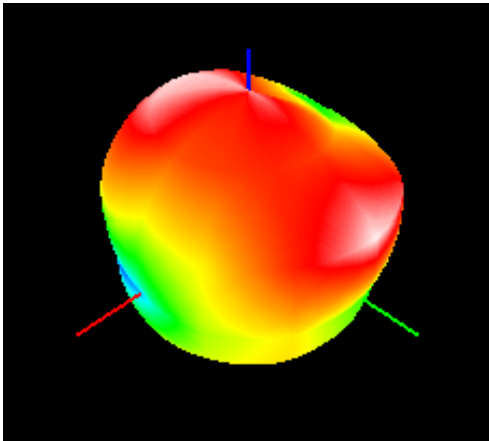
VSWR



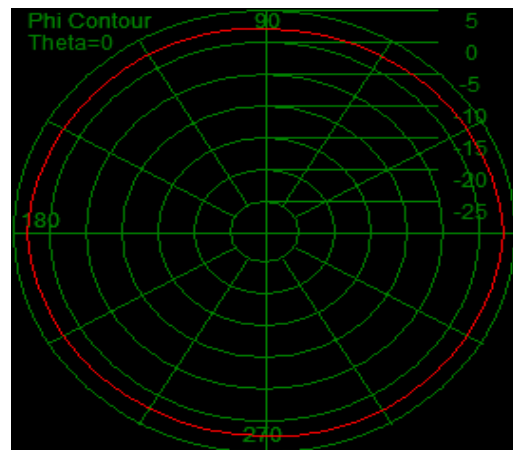
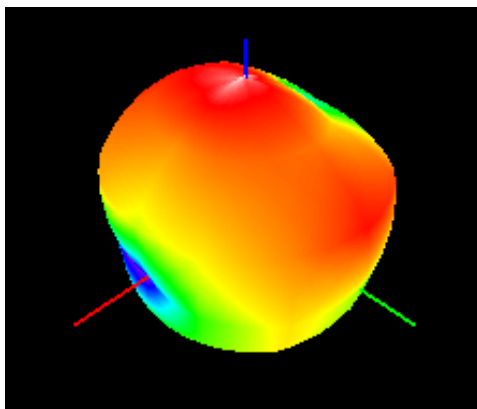
Frequency (MHz)	2400MHZ	2450MHZ	2500MHZ	5800MHz	5850MHz	5900MHz
S11(-10DBi)	OK	OK	OK	OK	OK	OK
VSWR(≤2.0)	OK	OK	OK	OK	OK	OK

Radiation Patterns

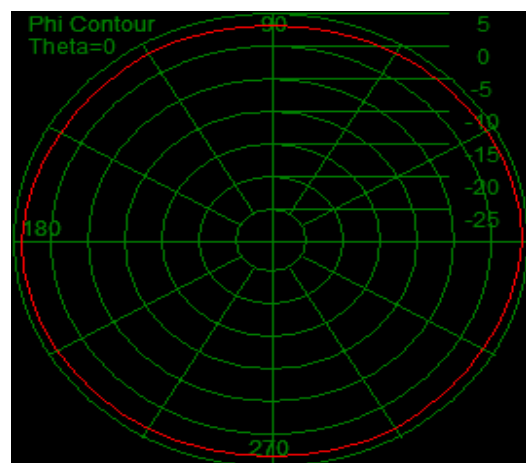
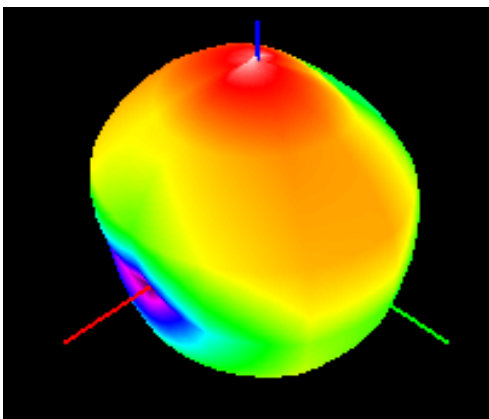
2.4GHz



2.45GHz

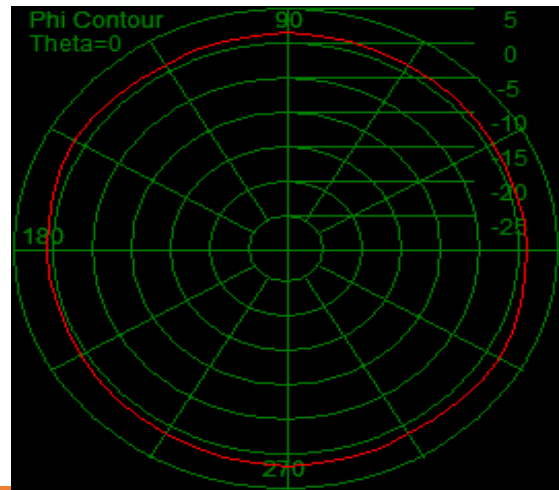
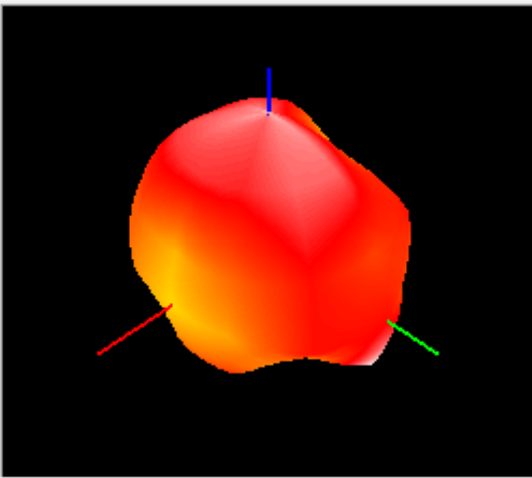


2.5GHz

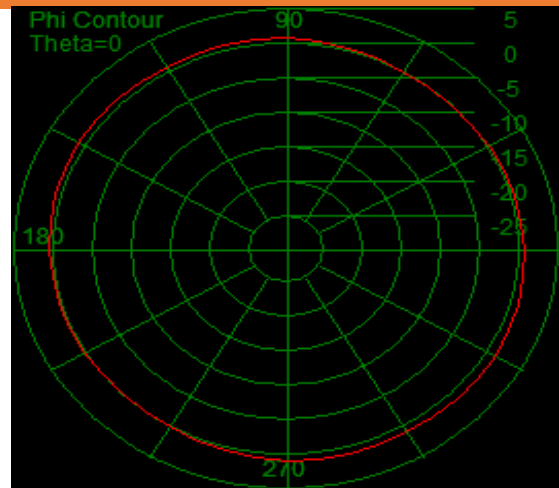
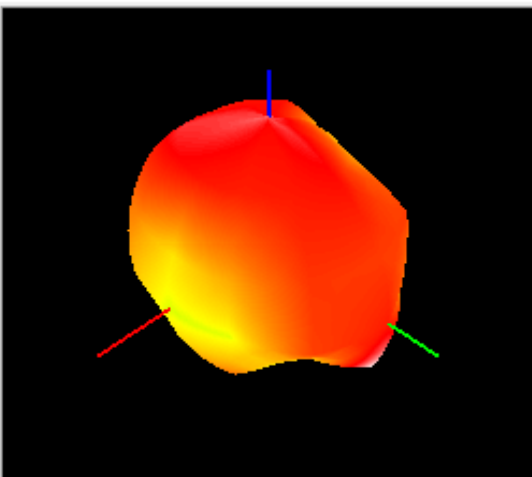


Radiation Patterns

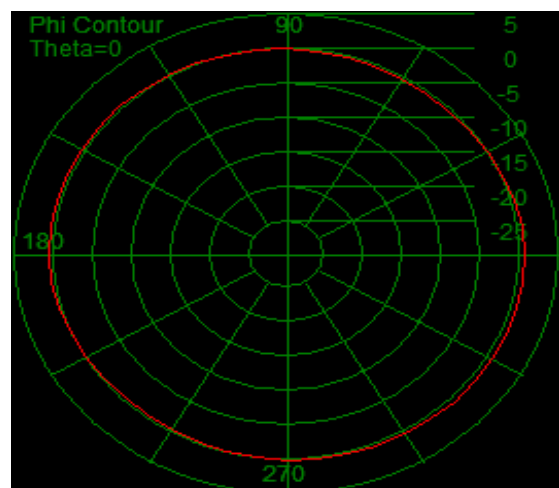
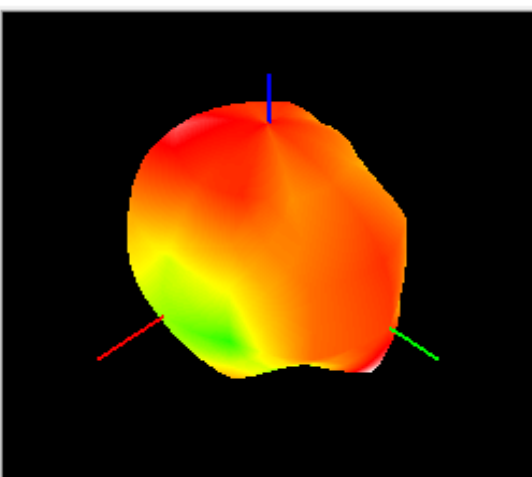
5.8GHz



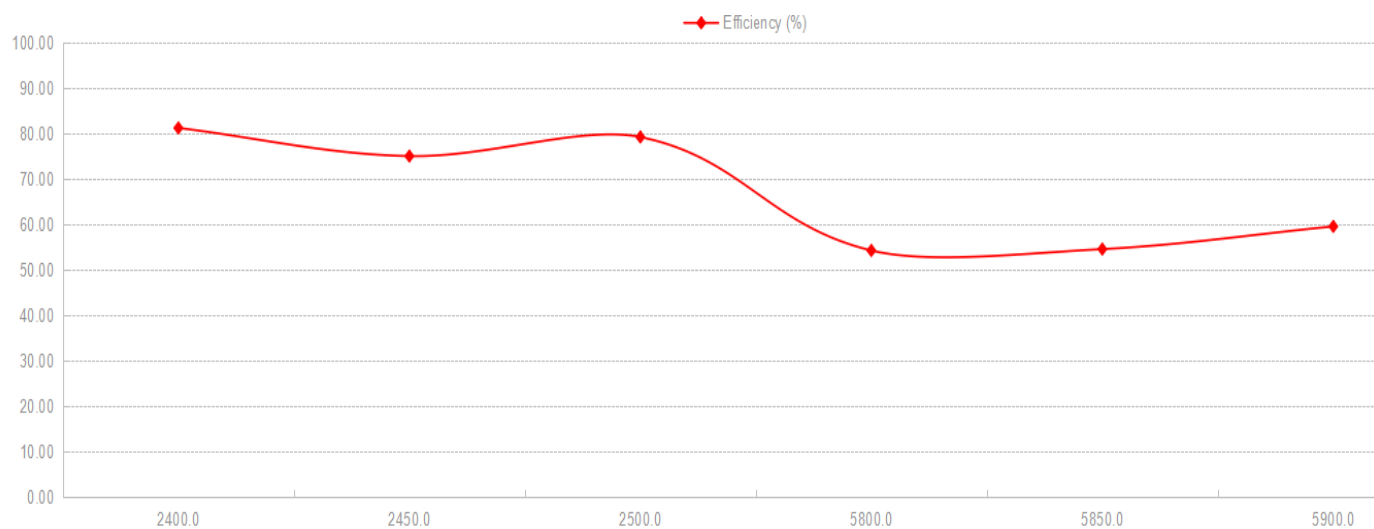
5.85GHz



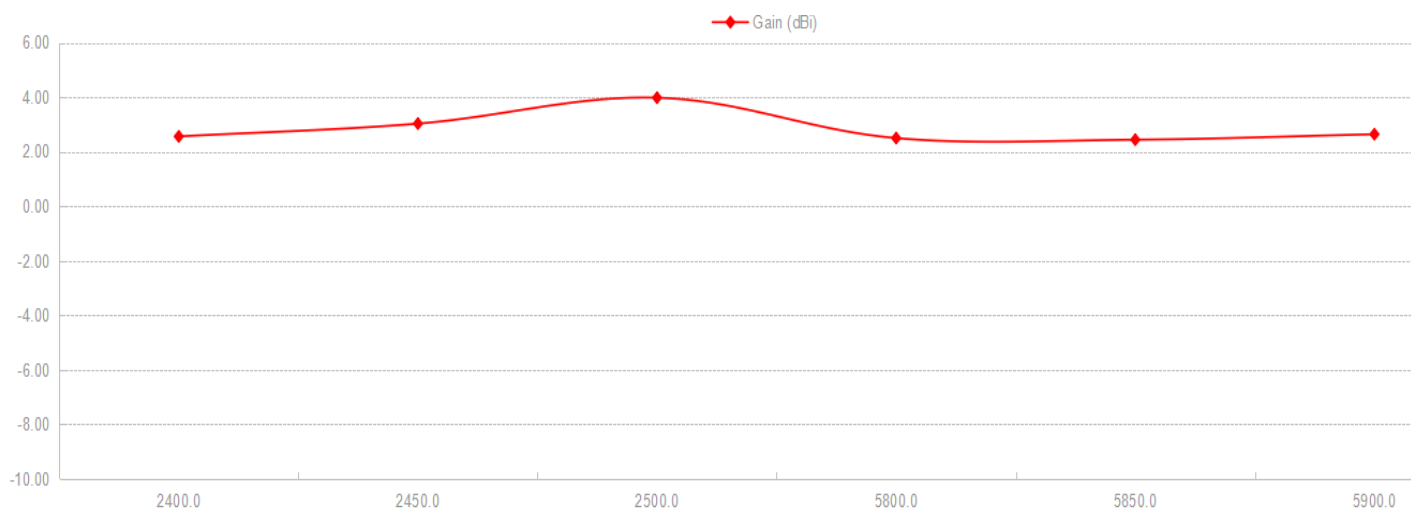
5.9GHz



Efficiency(%)



Peak Gain



Frequency (MHz)	2400MHZ	2450MHZ	2500MHZ	5800MHz	5850MHz	5900MHz
Efficiency(%)	81.3%	75.1%	79.3%	54.3%	54.6%	59.6%
Peak Gain	2.57	3.04	3.99	2.5	2.5	2.7