

SPECIFICATION

Product : WIFI EMBEDDED ANTENNA

Descriptions : 2.4~2.5GHz+PCB+ OD1.13 CABLE+IPEX

SPECIFICATION

ELECTICAL PROPERTIES

FREQUENCY RANGE ----- 2.4~2.5 GHz

VSWR----- ≤ 2.0

IMPEDANCE----- 50Ω

GAIN----- 2dBi

PHYSICAL PROPERTIES

WIRE----- OD1.13 CABLE GRAY

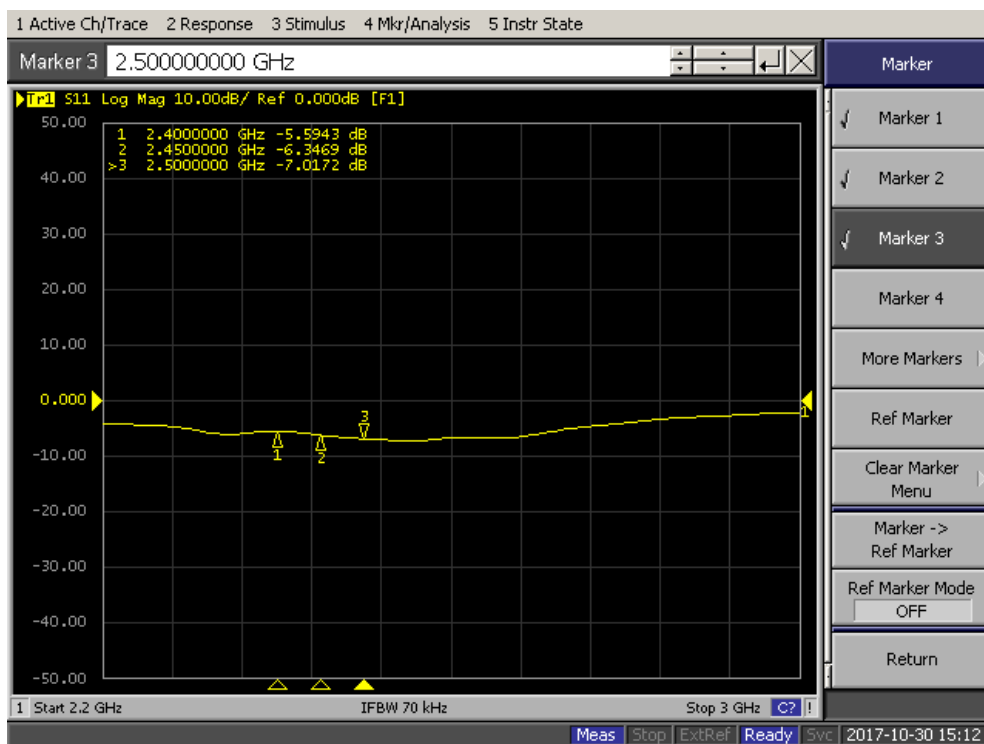
CONNECTOR----- IPEX

PCB----- FR4

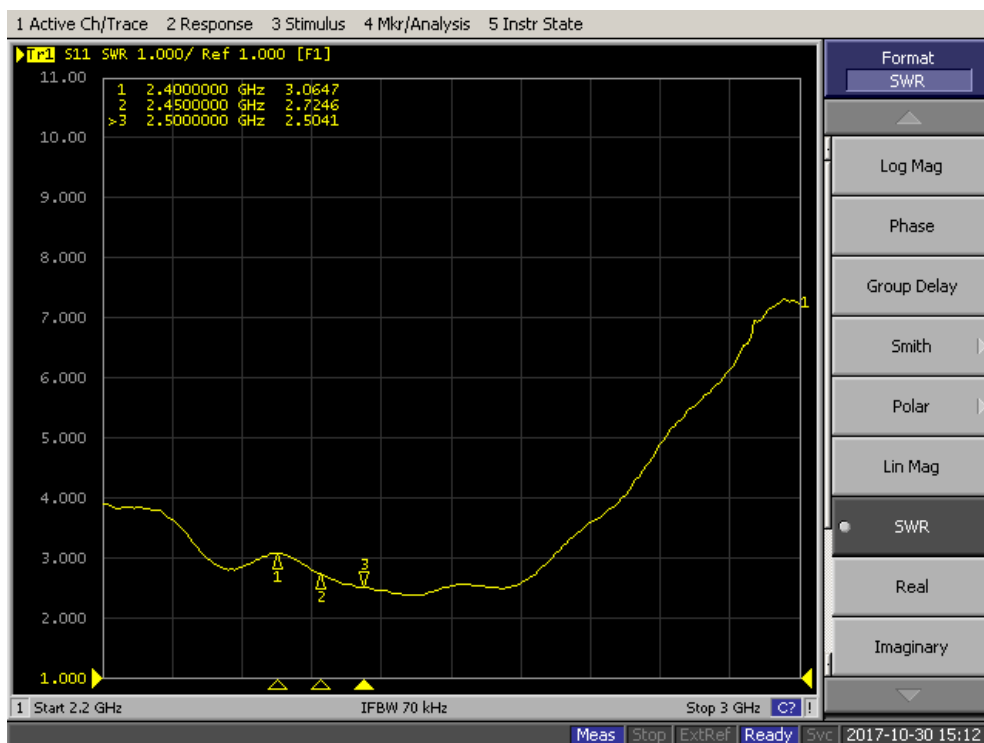
OPERATING TEMPERATURE----- $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$

STORAGE TEMPERATURE----- $-45^{\circ}\text{C} \sim +85^{\circ}\text{C}$

RETURN LOSS



VSWR

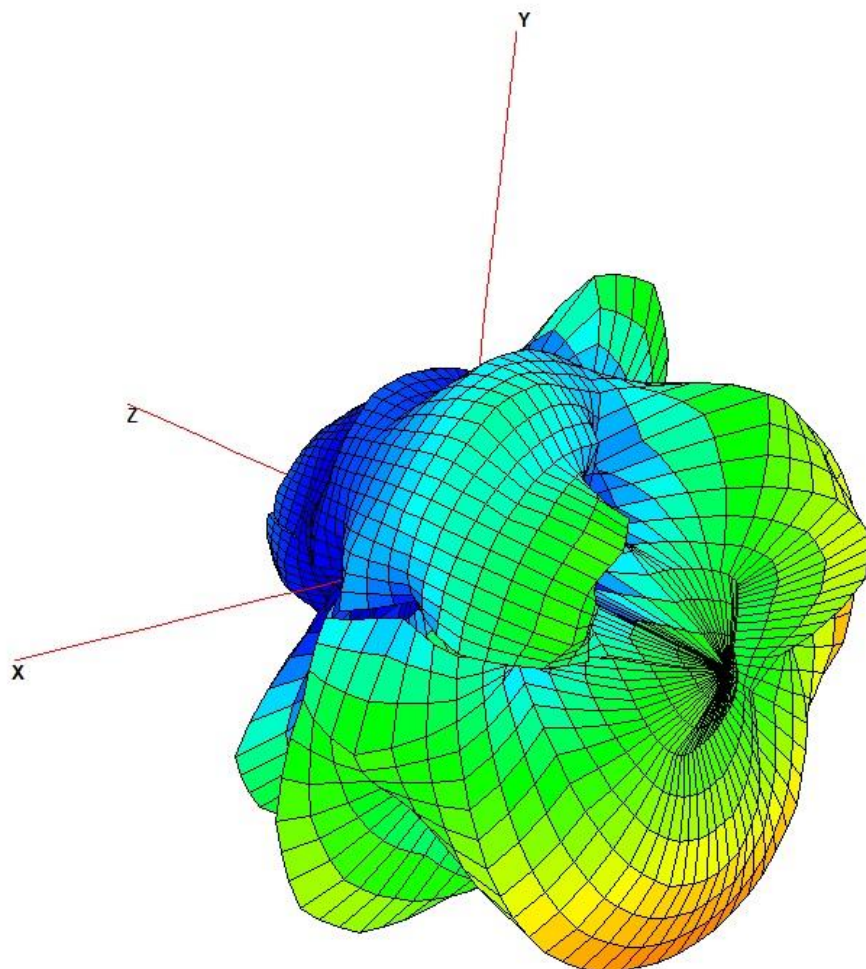


Chamber

Test Date	2017/10/30		
Trade Name			
App.No			
Model Name	行車紀錄器		
Test Mode Free Space & Talking Position			
Communication System			
Channel	2400	2450	2500
Note			
Ant. Port Input Pwr. (dBm)	0	0	0
Tot. Rad. Pwr. (dBm)	-4.7013	-3.98838	-4.73624
Peak EIRP (dBm)	0.78352	1.1038	0.79977
Efficiency (dB)	-4.7013	-3.98838	-4.73624
Efficiency (%)	30.712	32.623	30.6261

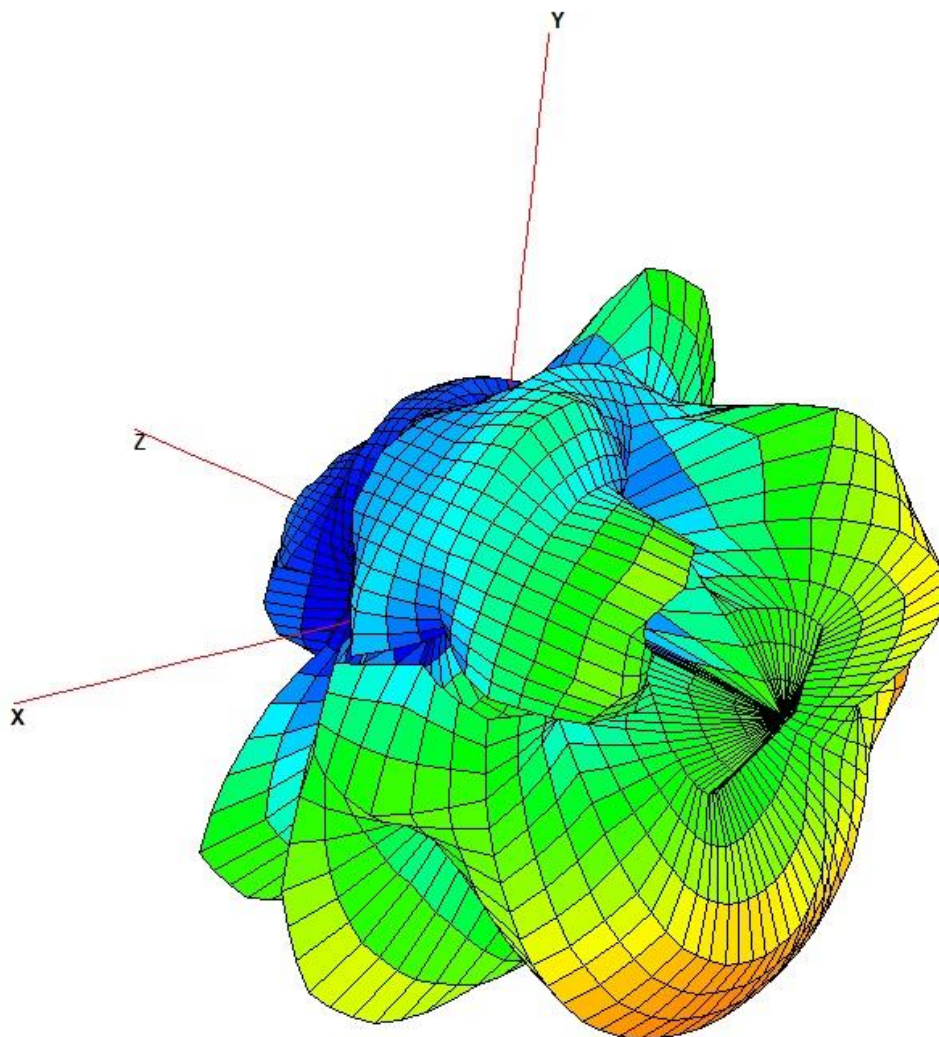
Center freq.(MHz): : 2400

Azimuth = 6.3
Elevation = -20.1
Roll = -133.0



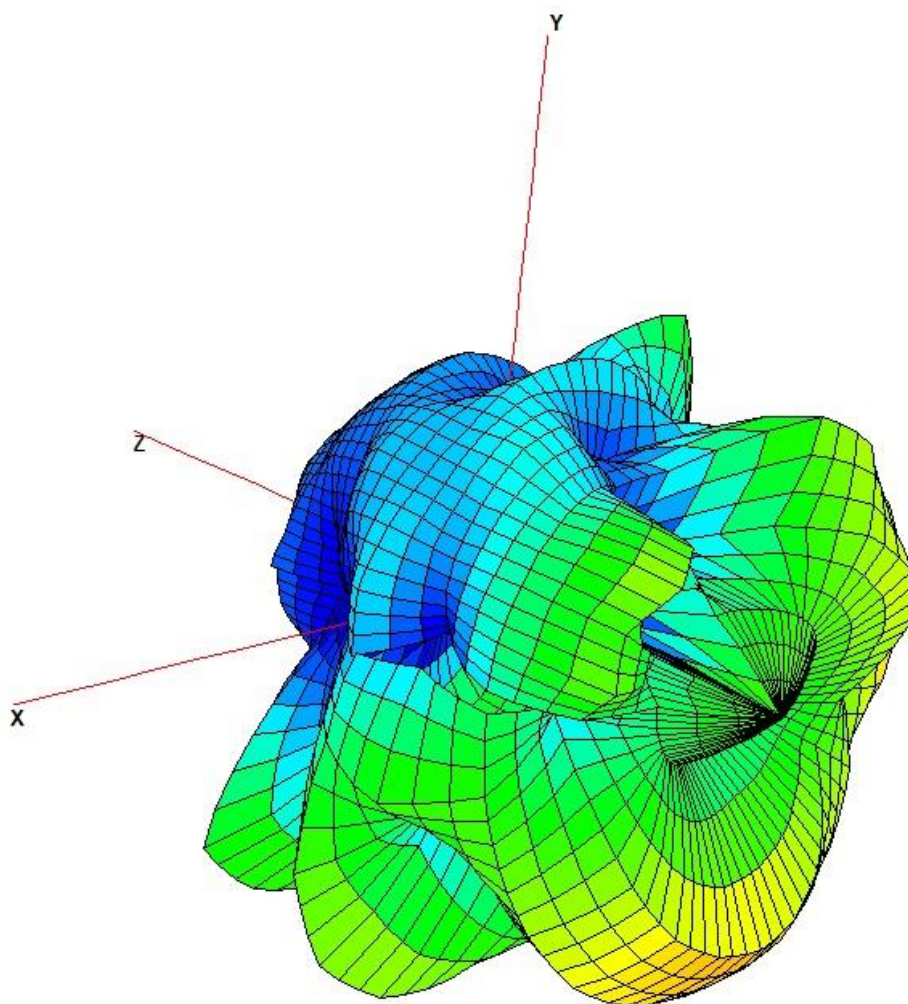
Center freq.(MHz): : 2450

Azimuth = 6.3
Elevation = -20.1
Roll = -133.0



Center freq.(MHz): : 2500

Azimuth = 6.3
Elevation = -20.1
Roll = -133.0



A | B | C | D | E

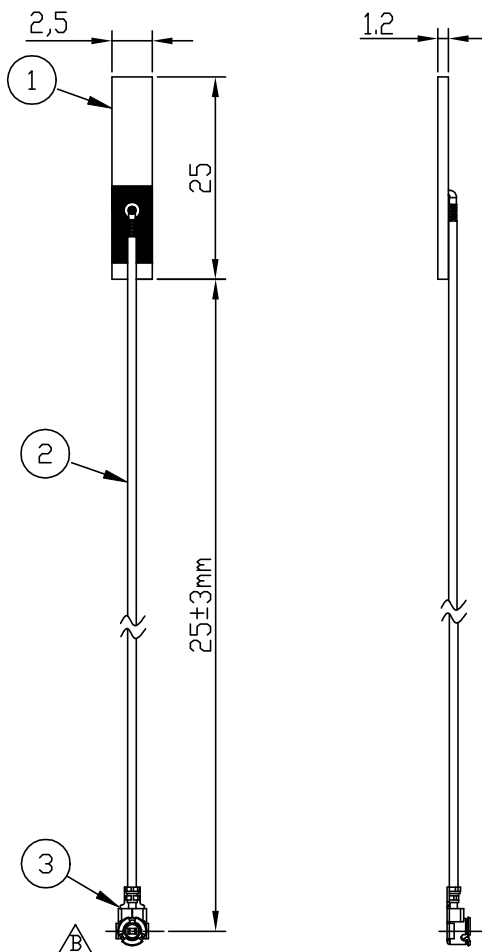
1

2

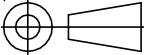
3

4

R E V I S I O N S				
REV	DESCRIPTION	LOCATION	DRAWN	DATE
	圖面新增		ALGER	2017/10/13
	IPEX 接頭轉向		ALGER	2017/10/13
	增加料號 & 線材顏色改為 GRAY		ALGER	2017/10/31



3	N/A	CONNECTOR	IPEX FOR $\phi 1.13\text{mm}$	CPN-CA-1710-0499-B	1PCS
2	N/A	CABLE	$\phi 1.13\text{mm}$ CABLE GRAY	CPN-CA-1710-0499-B	1PCS
1	EM01-PCB-B	PCB	FR-4	CPN-PCB-1508-0021-A	1PCS
ITEM	PART NO.	PART NAME	Material	DWG NO.	QT'Y

RANGE	TOLERANCE	BRITO 昀陽科技有限公司			MODEL NAME WIFI ANTENNA	
X,xx	± 0.10				TITLE: WIFI EMBEDDED ANTENNA	
X,x	± 0.15	MATERIAL: SEE TABLE	DRAWN: ALGER	DATE: 2017/10/31	SIZE: A4	PART NO. WF0EM01-I025-G
X	± 0.25	FINISH: WIFI ANTENNA	DESIGN: JOHN	DATE: 2017/10/31		
 THE 3RD PROJECTION		UNIT: mm	APPROVED: BRUCE	DATE: 2017/10/31	SCALE: N/A	SHEET 1 OF 1
					DWG NO. WF-EM-1710-0138-C	REV. C

MP-CAD-V02170323