

# SPECIFICATION

## **1 ELECTRONICAL PROPERTIES:**

**1.1 ANTENNA TYPE 天線型式: Base Station Antenna**

**1.2 FREQUENCY 頻率:  
690~960/1710~2170/2400~2700MHz**

**1.3 IMPEDANCE 阻抗: 50 Ohm**

**1.4 POLARISATION 極: Vertical**

**1.5 VSWR: 2.5:1**

**1.6 MAX. POWER 最大功率: 50W**

## **2 MECHANICAL PROPERTIES:**

**2.1 MATERIALS 材質: Fiberglass**

**2.2 COLOR 顏色: White**

**2.3 TOTAL HEIGHT 總長度: 756m/m ±10**

**2.4 WEIGHT 重量:**

### 3 APPEARANCE:

NO.	NAME	Q, TY
01	Body	01
02	Cap	01
03	Connecting vopper pipe(Aluminium)	01
04	Hexagonal nut(Stainless steel)	02
05	Screw(Stainless steel)	01
06	Clip retaining(Aluminium)	02
07	U-Circlip(Stainless steel)	02
08	Screw(Stainless steel)	02
09	Round iron washer(Stainless steel)	04
10	Hexagonal nut(Stainless steel)	05
11	Hexagonal plate hand(iron)	01
12	N (Female)	01

 Third angle projection	CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
				<b>690-960/1710-2170/2400-27000MHz</b>		M/M		20201014
 晟輝科技股份有限公司 AIR WAVE CO., LTD.	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	S ▽▽	APPEARANCE	YG-16Z-4				

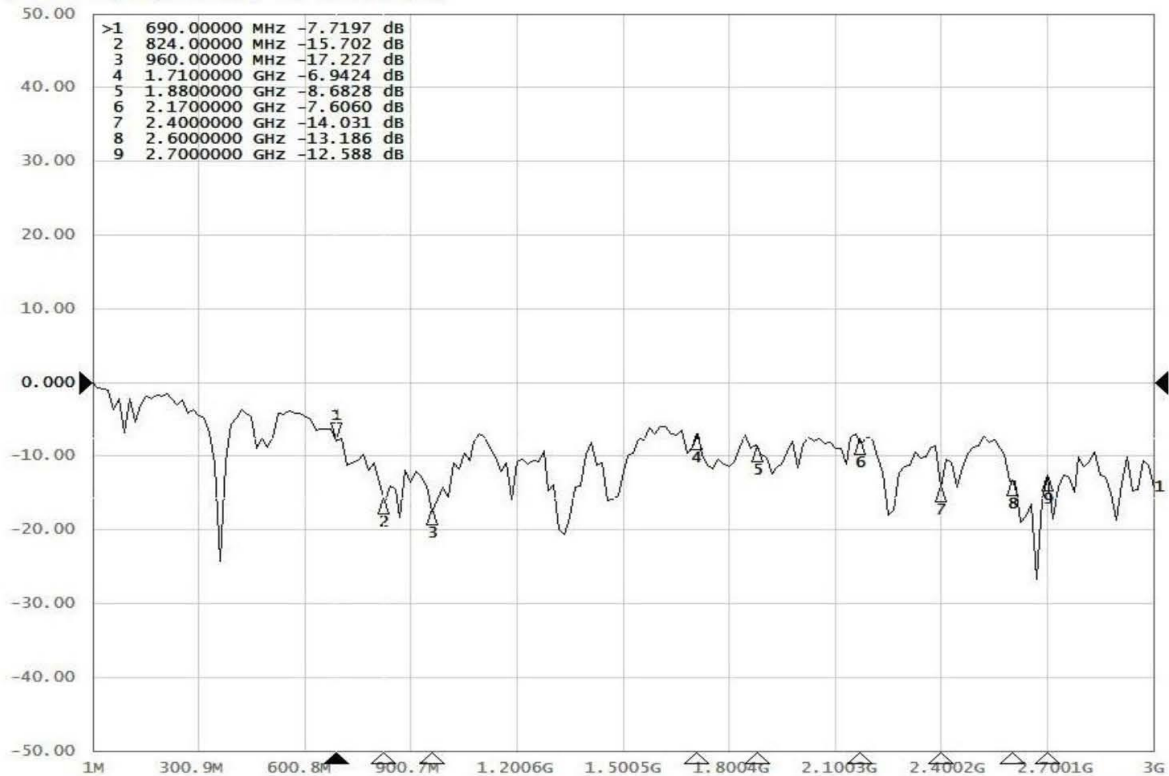
## **4.Return Loss, V.S.W.R. and Smith Chart**

### ELECTRICAL

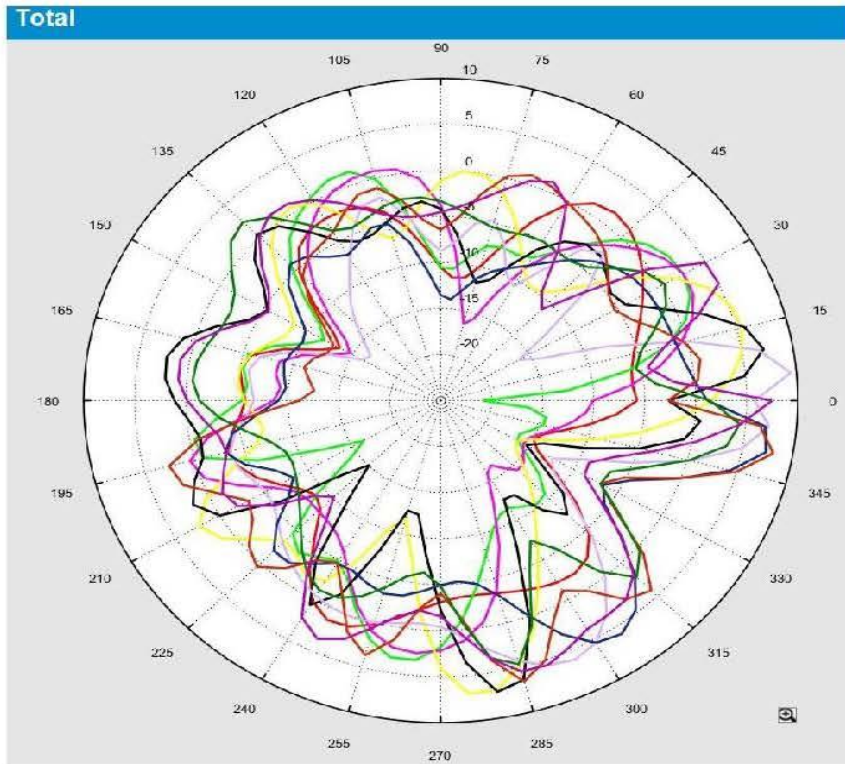
Frequency (MHz)	Return Loss (dB)	VSWR	Efficiency (%)	GAIN (dB)
690	-7.71	2.39	58.83	2.21
824	-15.70	1.39	65.77	2.86
960	-17.22	1.32	85.23	6.13
1710	-6.94	2.63	66.83	6.85
1880	-8.68	2.17	64.42	5.96
2170	-7.60	2.44	47.42	5.95
2400	-14.03	1.50	86.1	6.6
2600	-13.18	1.56	58.75	5.6
2700	-12.58	1.61	95.72	7.96

1. TEST Repoet

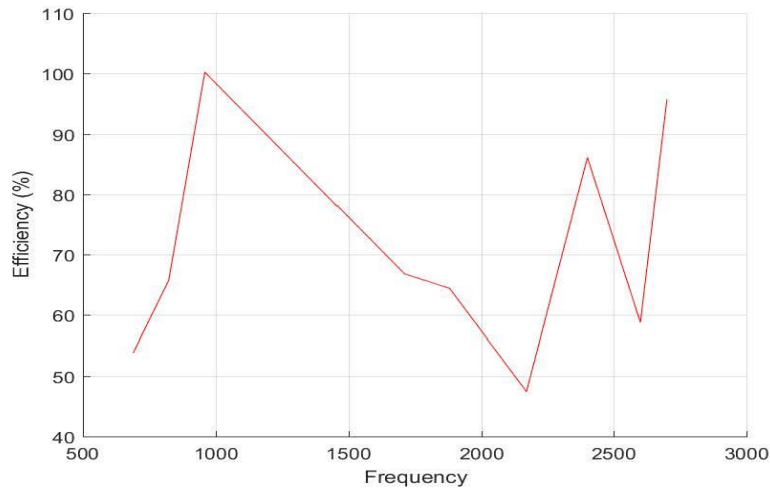
511 Log Mag 10.00dB/ Ref 0.000dB [RO]



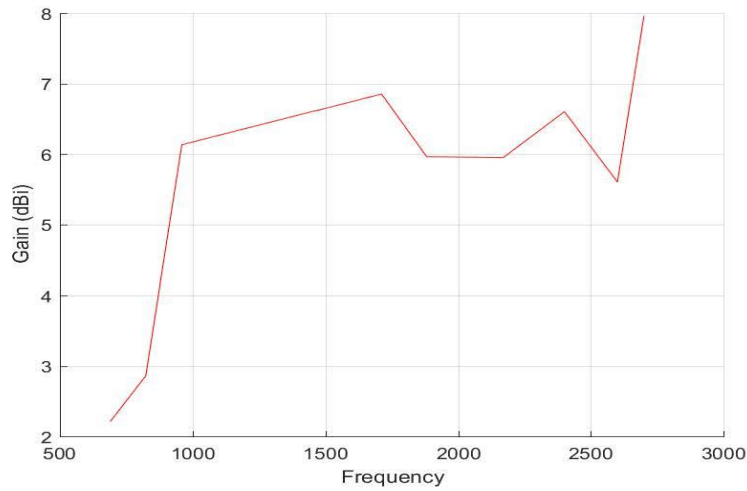
Top S11 Swr 1.000/ Ref 1.000 [R0]



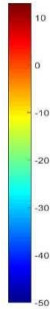
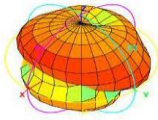
Total\_Efficiency (%)



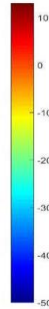
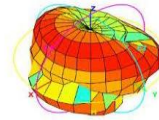
Total\_Gain (dBi)



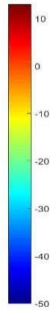
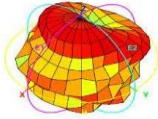
Total\_3D\_Side View 1\_690MHz



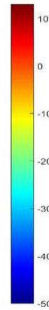
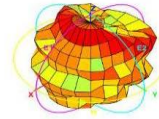
Total\_3D\_Side View 1\_824MHz



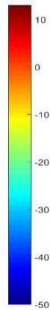
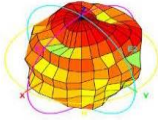
Total\_3D\_Side View 1\_960MHz



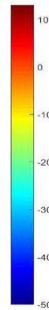
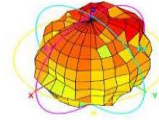
Total\_3D\_Side View 1\_1.71GHz



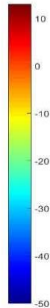
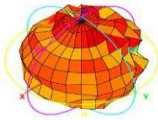
Total\_3D\_Side View 1\_1.86GHz



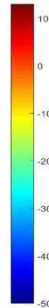
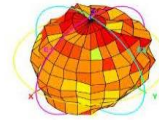
Total\_3D\_Side View 1\_2.17GHz



Total\_3D\_Side View 1\_2.4GHz



Total\_3D\_Side View 1\_2.6GHz



Total\_3D\_Side View 1\_2.7GHz

