

# ANTENNA SPECIFICATION

<b>Client:</b>	<b>Avantronics Limited.</b>
<b>Project:</b>	<b>TC518</b>
<b>Version:</b>	<b>V1.0</b>
<b>Manufacturer or Supplier</b>	<b>Sunitec Enterprise Co., LTD.</b>
<b>Address</b>	<b>Building C No.725 , WeiXiangTai Industrial zone,FuCheng street , LongHua district , ShenZhen,GuangDong, China</b>
<b>Issued Date:</b>	<b>5-Jul-24</b>
<b>Tested by</b>	<b>Mo lite</b>
<b>Approved by</b>	<b>Huang zhishun</b>

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## 1.Revision History

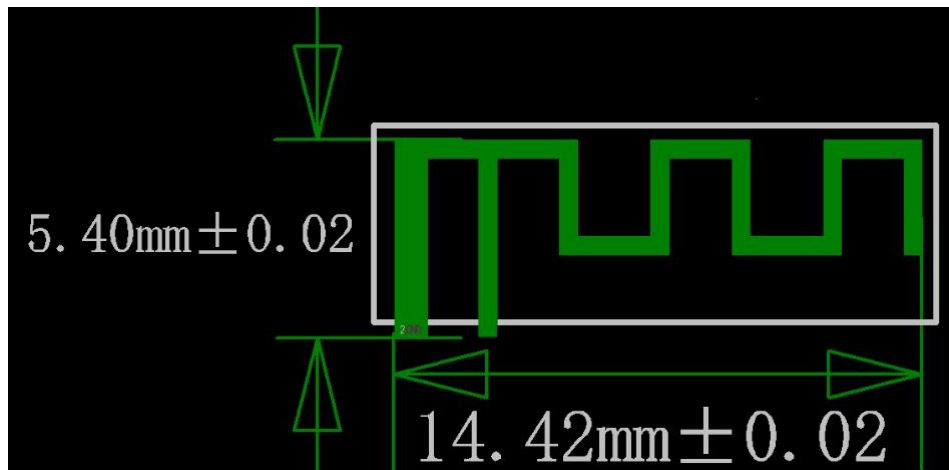
Rev.No	Issued Date	Description	Summary
V1.0	5-Jul-24	initial release	

## 2. Introduction

### 2.1 Introduction of Product

This product is an antenna printed on a circuit board

### 2.2 Specification and Dimension



Unit:mm

## 3. Electrical Characteristics

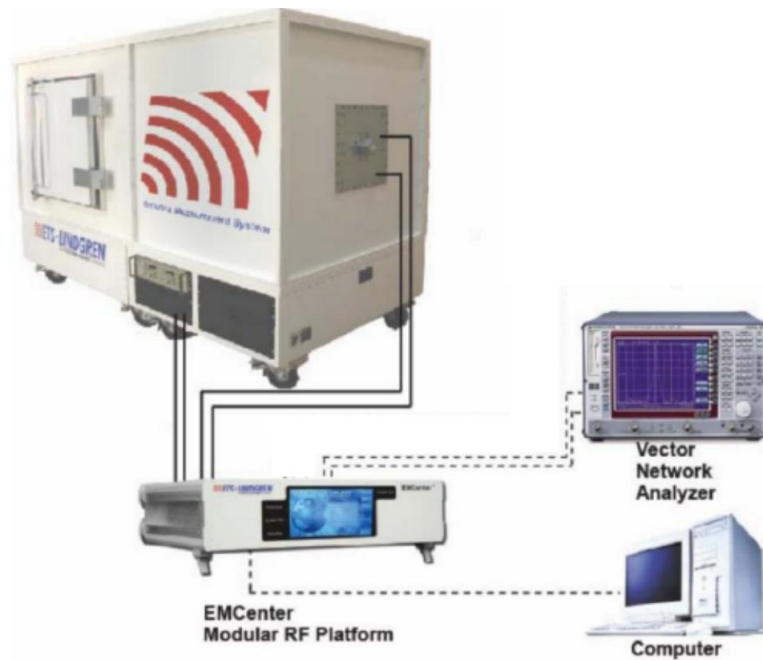
### 3.1 Test equipment:

VECTOR NETWORK ANALYZER

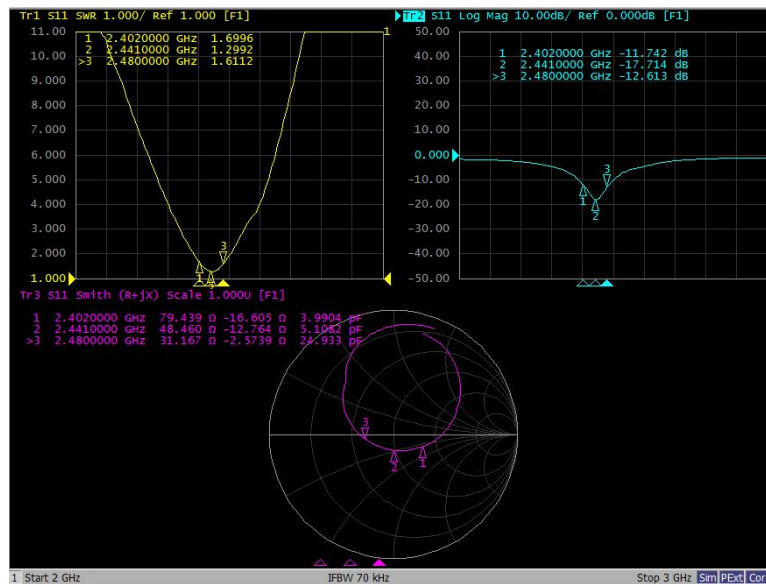
Agilent E5071C

Antenna Measurement System

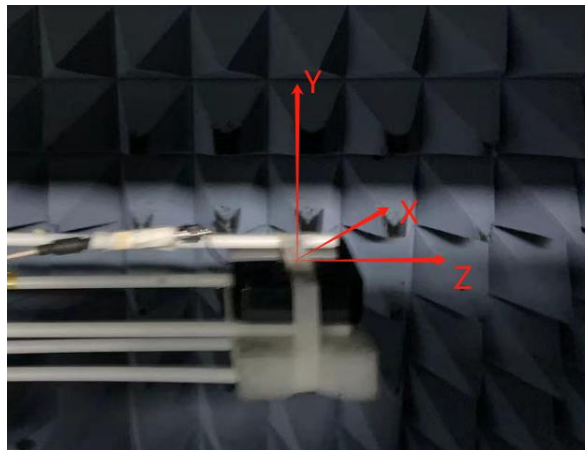
ETS-Lindgren Antenna Measurement System



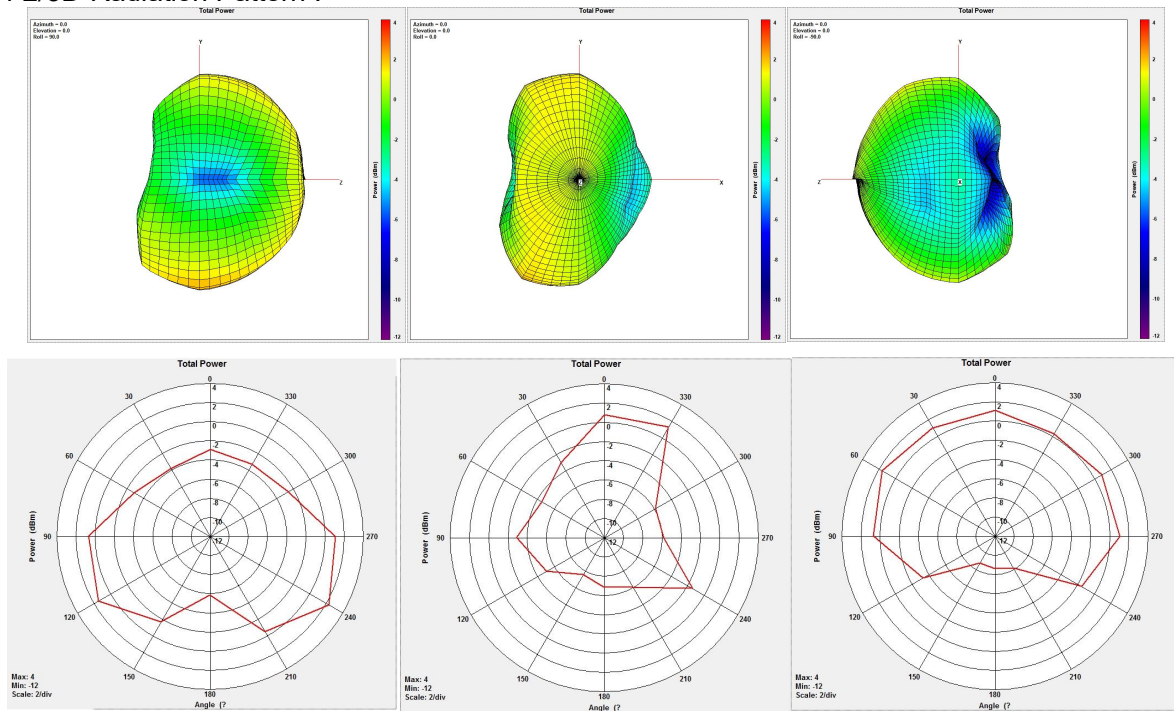
### 3.2 Antenna S11 parameters



### 3.3 Antenna Test Settings:



### 3.4 2/3D Radiation Pattern :



### 3.5 Antenna Data :

Freq(MHz)	Efficiency(dB)	Efficiency(%)	Gain(dB)
2402	-1.77	66.46	2.40
2441	-1.62	68.73	2.26
2480	-1.92	64.24	2.19
2415	-1.64	68.43	2.71

### 3.6 Electrical Characteristics:

Antenna type	FPC Antenna
Working Frequency Range	2450+/-50MHz
Impedance	50Ω
Max Efficiency(%)	68.43%@2415MHz
Max peak Gain(dBi)	2.71dBi@2415MHz