

ANTENNA SPECIFICATION

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

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1.Revision History

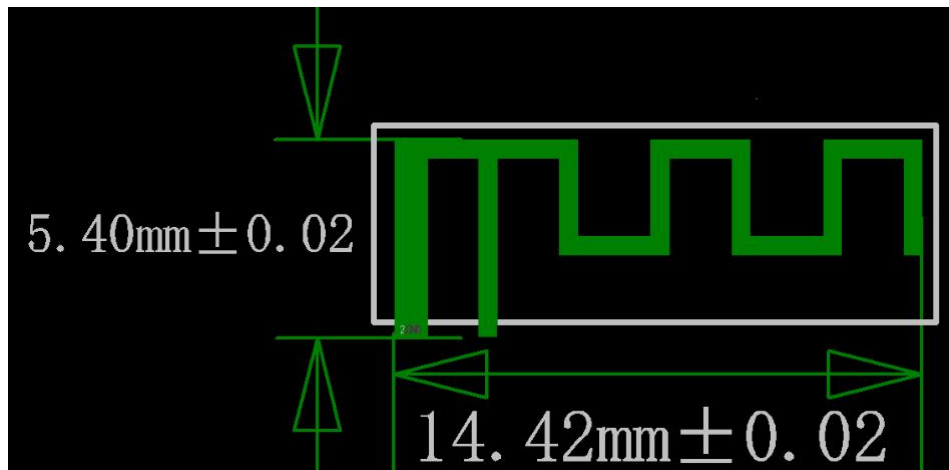
Rev.No	Issued Date	Description	Summary
V1.0	5-Jul-24	initial release	

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

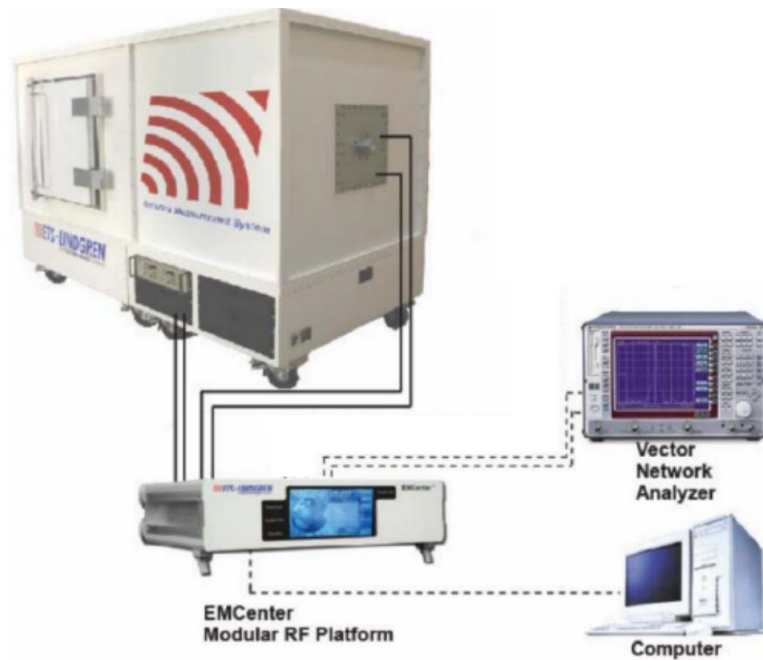
3.1 Test equipment:

VECTOR NETWORK ANALYZER

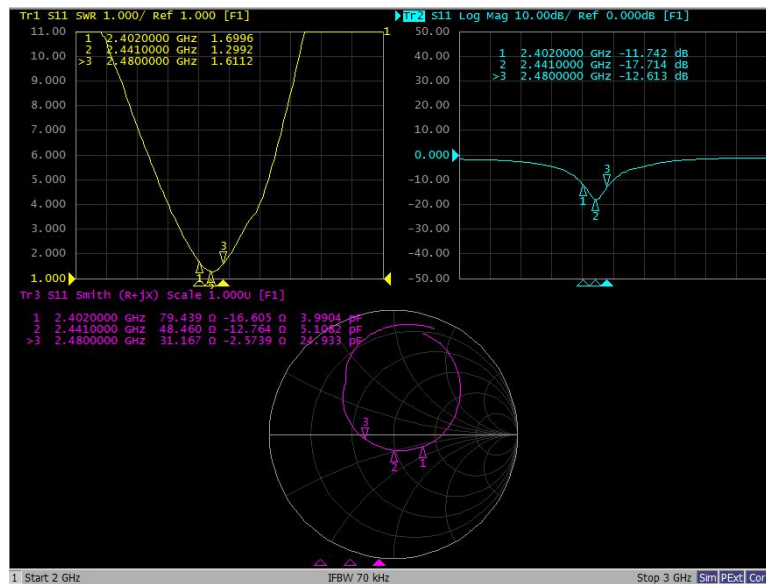
Agilent E5071C

Antenna Measurement System

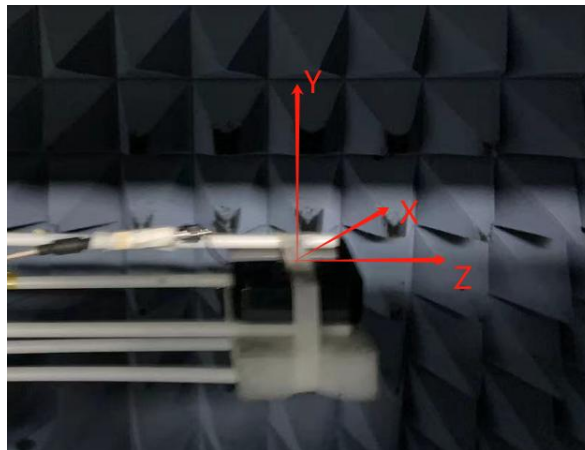
ETS-Lindgren Antenna Measurement System



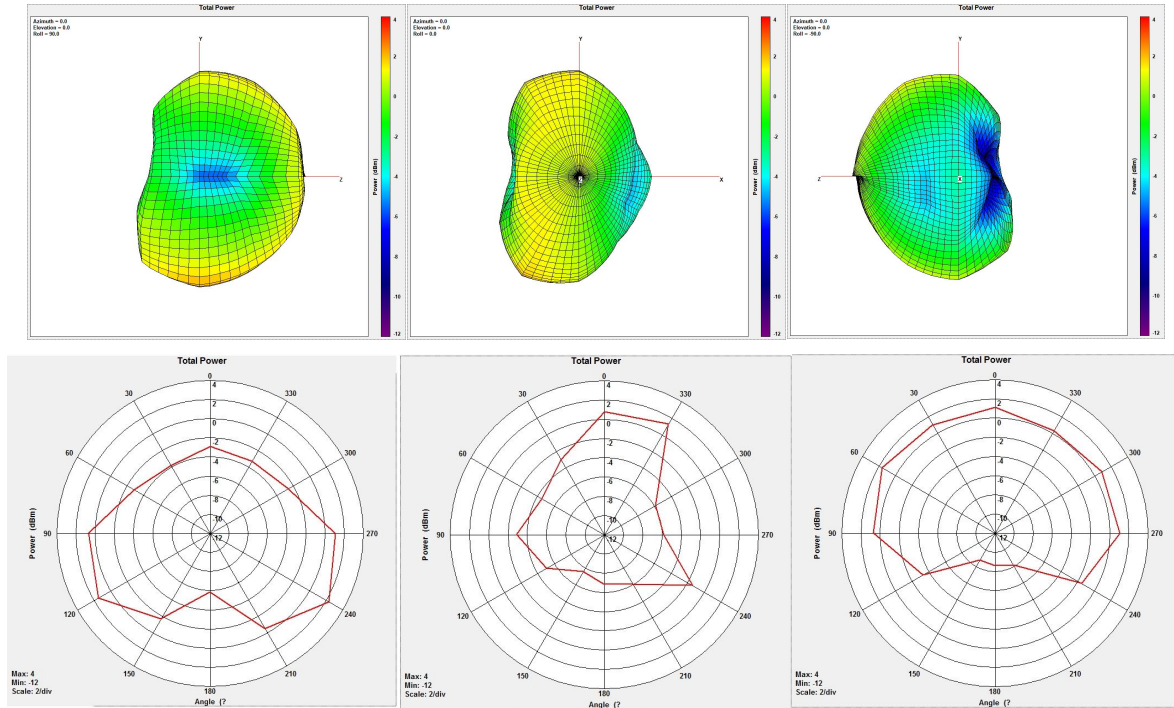
3.2 Antenna S11 parameters



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