

ANTENNA SPECIFICATION

Client:	Heavys
Project:	gaming-dongle
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:	25-May-26
Tested by	Mo lite
Approved by	Huang zhishun

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1.Revision History

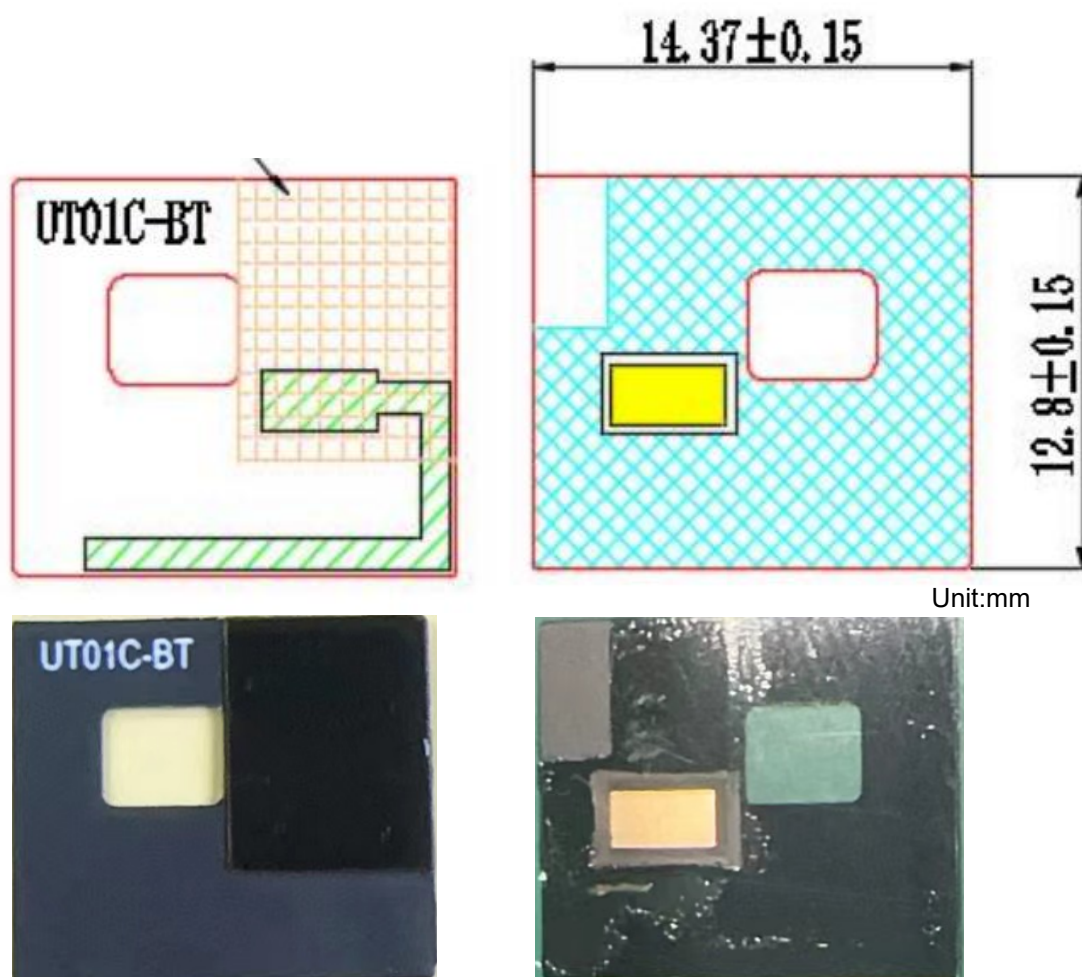
Rev.No	Issued Date	Description	Summary
V1.0	29-Feb-24	initial release	

2. Introduction

2.1 Introduction of Product

This product is FPC antenna

2.2 Specification and Dimension



Unit:mm

3. Electrical Characteristics

3.1 Test equipment:

VECTOR NETWORK ANALYZER

Agilent E5071C

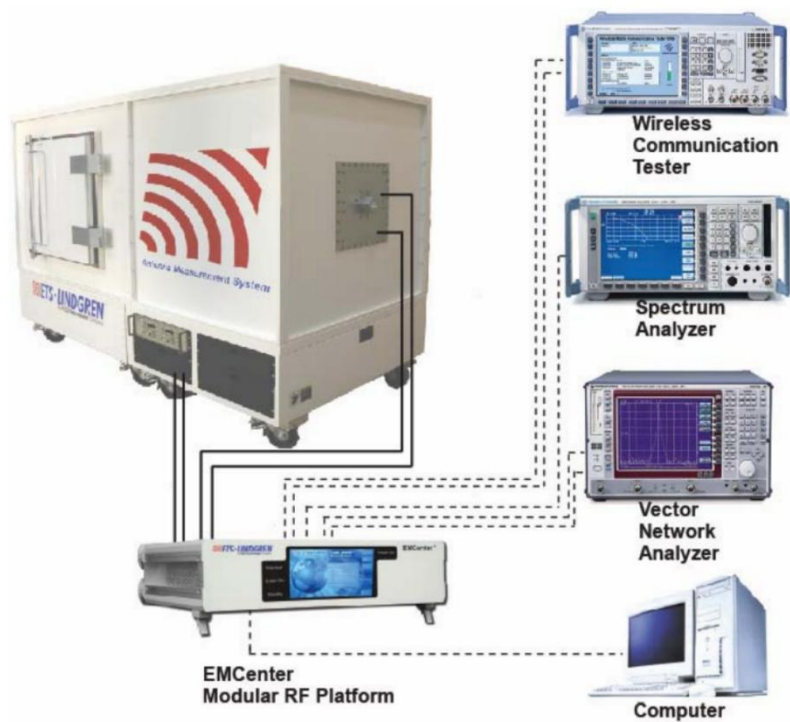
Antenna Measurement System

ETS-Lindgren Antenna Measurement System

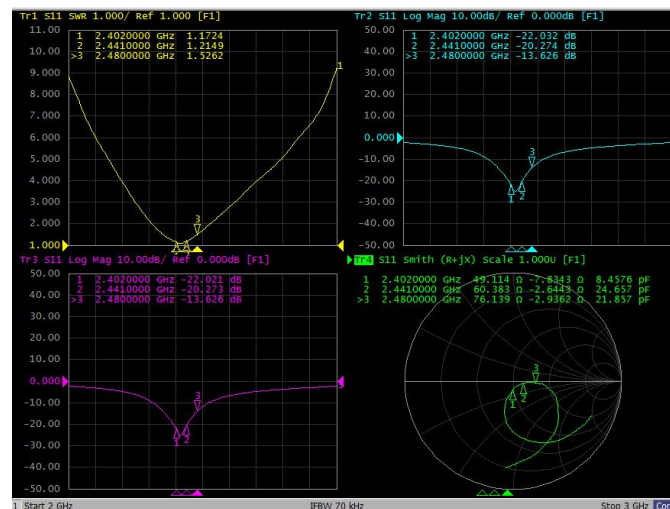
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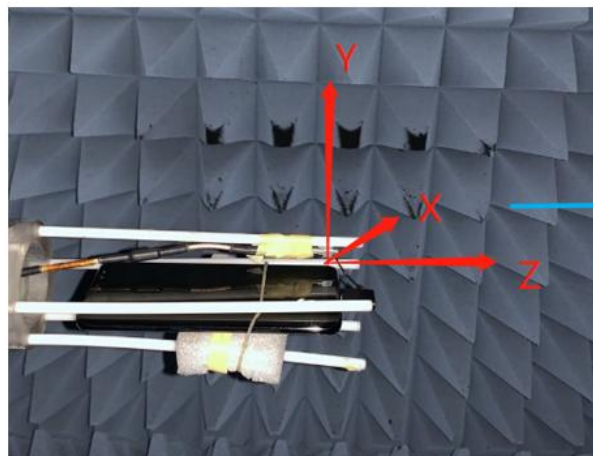
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3.2 Antenna S11 parameters



3.3 Antenna Test Settings:

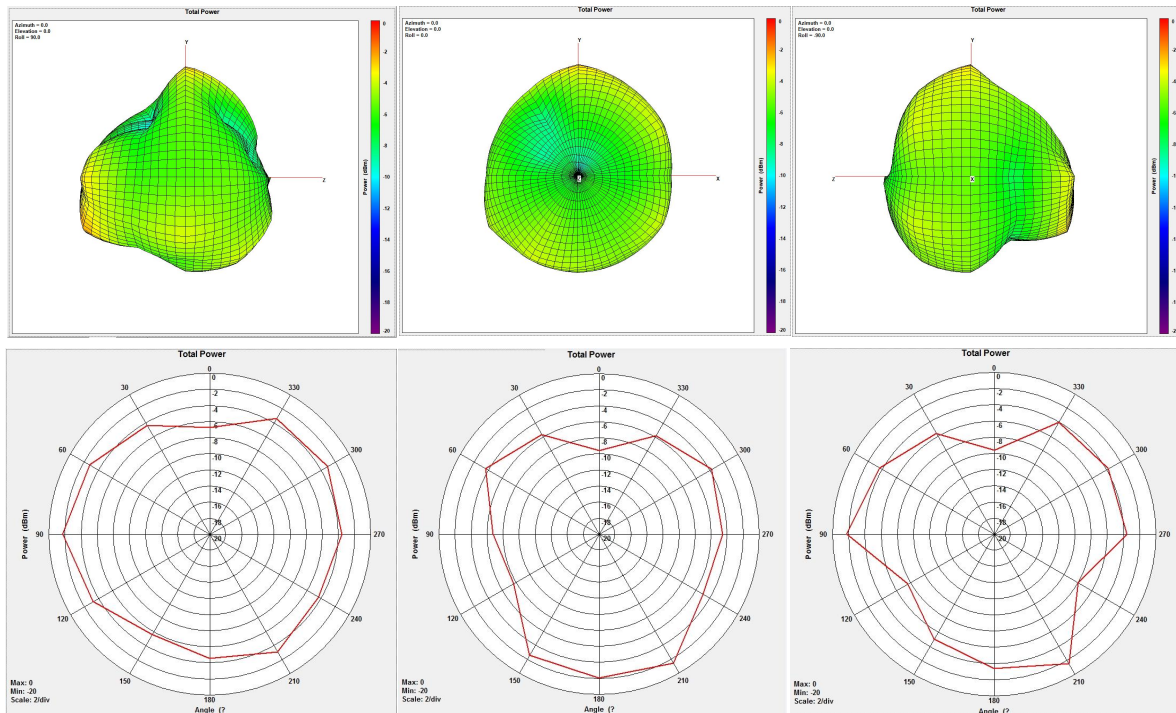


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3.4 2/3D Radiation Pattern :



3.5 Antenna Data :

Freq(MHz)	Efficiency(dB)	Efficiency(%)	Gain(dB)
2400	-5.35	29.11	-2.09
2410	-5.02	31.41	-1.70
2420	-4.87	32.53	-1.53
2430	-4.67	34.11	-1.51
2440	-4.45	35.88	-1.45
2450	-4.39	36.36	-1.29
2460	-4.29	37.20	-0.94
2470	-4.27	37.38	-1.09
2480	-4.35	36.64	-1.20
2476	-4.19	38.10	-1.08
2463	-4.28	37.29	-0.88

3.6 Electrical Characteristics:

Antenna type	FPC Antenna
Working Frequency Range	2450+/-50MHz
Impedance	50Ω
Max Efficiency(%)	38.1%@2476MHz
Max peak Gain(dBi)	-0.88dBi@2463MHz

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