



Shen zhen Golden-Resource Electronic Co.,Ltd.

SPECIFICATION FOR APPROVAL

Date 2023/03/14

File No 23031401

Revision 1.0

CUSTOMER: SMART ELECTRONIC INDUSTRIAL CO.,LTD.

CUSTOMER NO: PD6N

PART NAME: BT Antenna

SUPPLIER NO: YJW01.029.008.301A

Date:

Q"TY: PCS

CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

ChenGuoqiang

XieLi

ChenXingyi

YJ-RD-F04-A

add: 17A-03A, Block B, Nanxian Commercial Plaza, Meilong Road, Longhua New District, Shenzhen



Spec Item

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RoHS
Compatible

CUSTOMER
PART NO

REV.

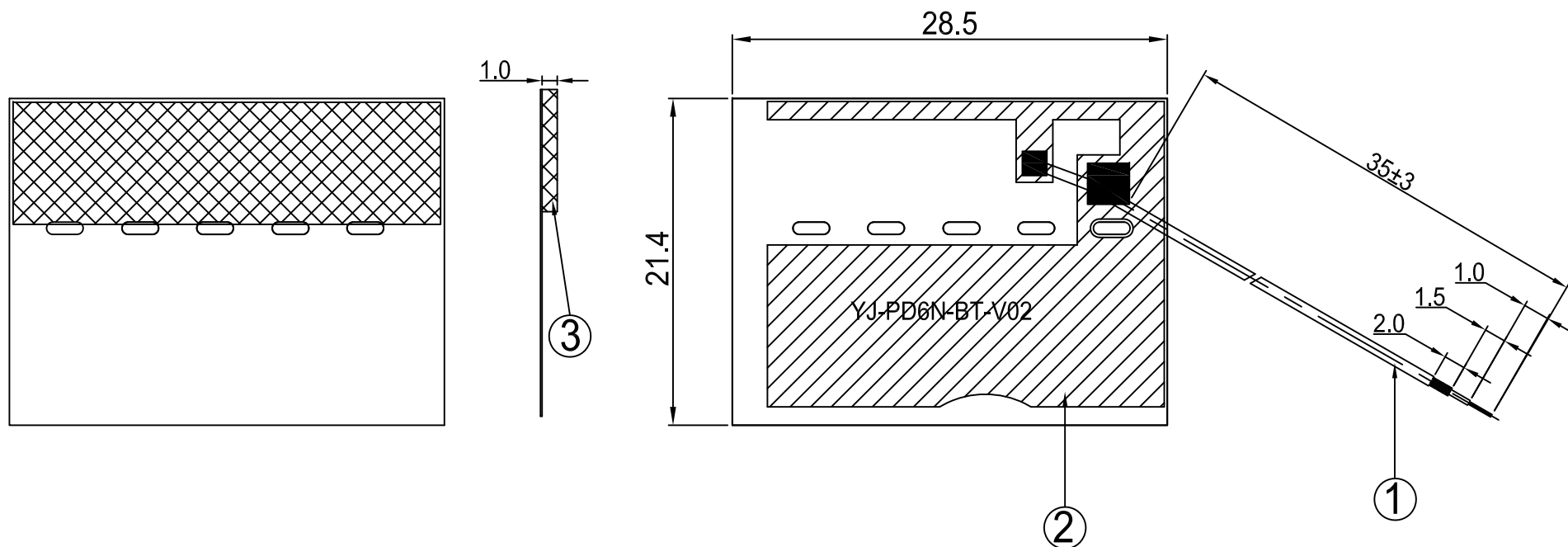


DESCRIPTION

Initial Issue

DATE

2019.07.26



Shen zhen Golden-Resource Electronic Co.,Ltd.

PART NAME: BT Antenna

PART NO.: YJW01.029.008.301A

DATE: 2019-07-26

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

ChenGuoQiang

XieLi

ChenXingYi

UNITS: mm

SCALE: 1/1

REVISION: A

X.X ±0.50

X.XX±0.15

X° ±3°

3	EVA+Paster	28.0*8.0*1.0MM	EVA+Paster	EVA10235A.P01	1
2	FPC	28.5*21.4MM	FPCB	FPC100XXA.P01	1
1	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	COA100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	3.0 Max
Gain	0.5 dBi
Radiation	Omni-directional
Polarization	Linear

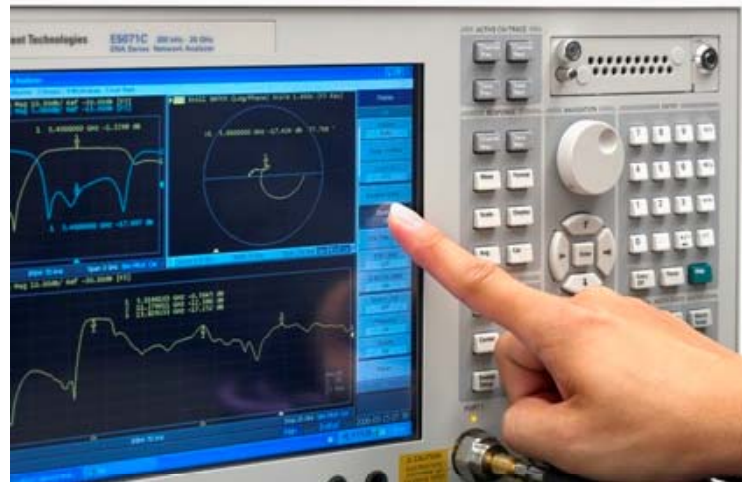
Physical Properties

Connector	None
Cable Type	O.D.1.13mm
Cable Length	35mm
Cable Color	Gray
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

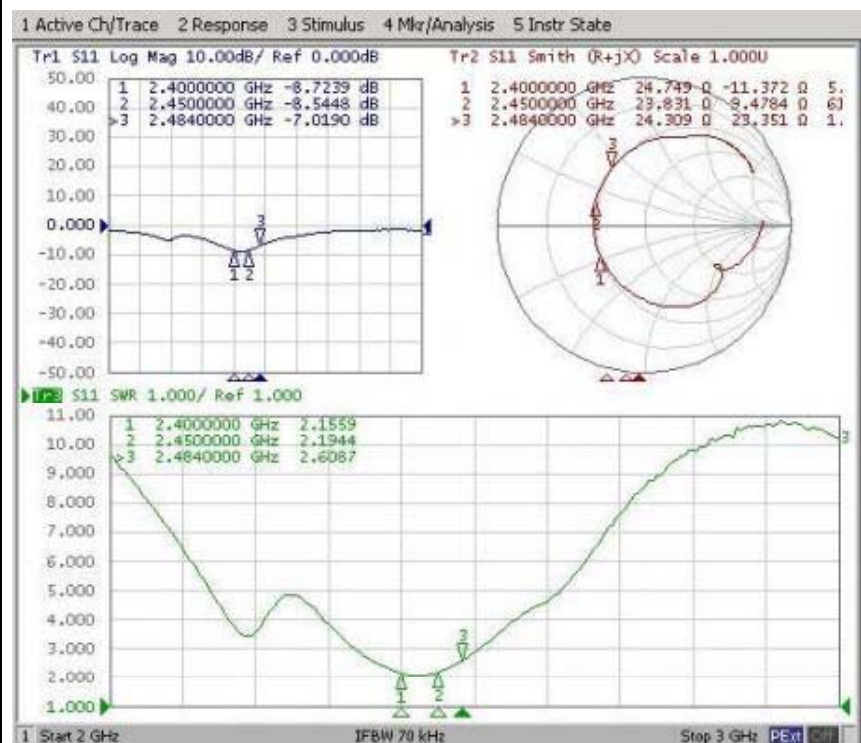


Antenna Performance Test

**Agilent
E5071B**



**S
Parameter
Test //
BT**





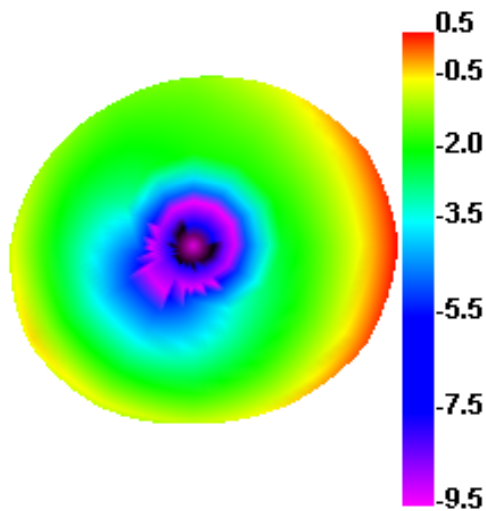
Passive Test For BT			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	71.1	-1.5	0.5
2410	72.5	-1.4	0.4
2420	71.3	-1.5	0.2
2430	72.2	-1.4	-0.2
2440	73.5	-1.3	-0.4
2450	70.0	-1.5	-0.2
2460	72.1	-1.4	-0.3
2470	71.1	-1.5	-0.2
2480	70.1	-1.5	-0.3
2490	69.5	-1.6	-0.3
2500	68.8	-1.6	-0.4

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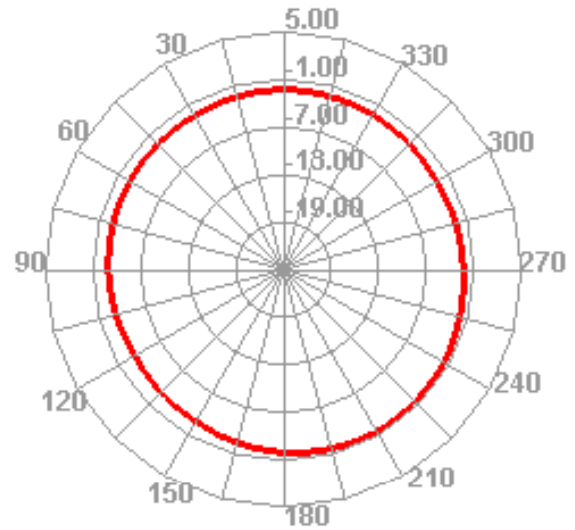


Radiation Pattern For BT Antenna

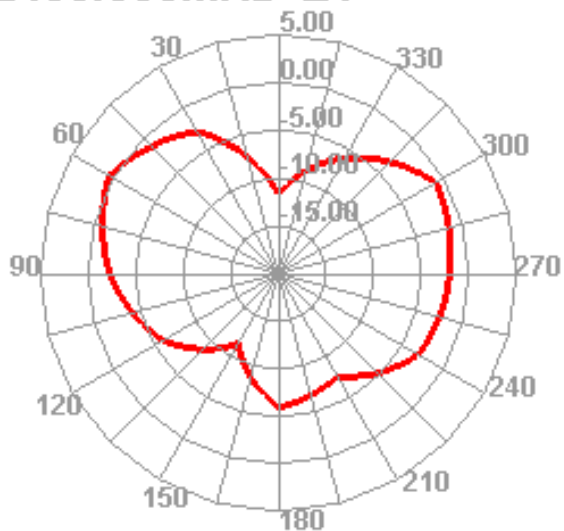
2400.000MHz



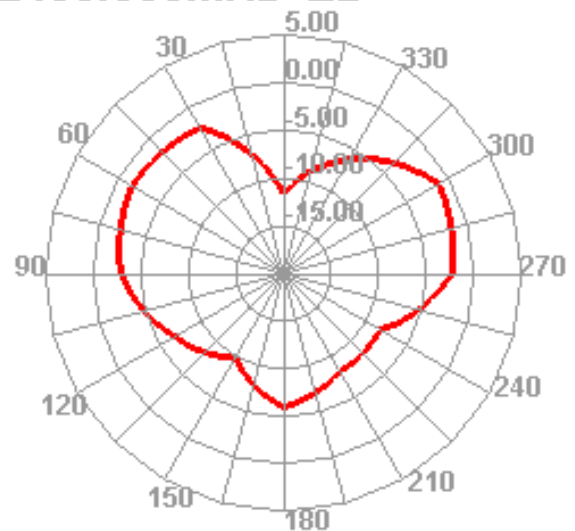
2400.000MHz H



2400.000MHz E1



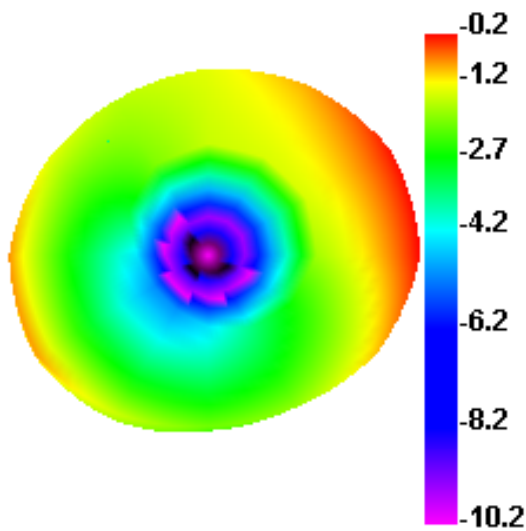
2400.000MHz E2



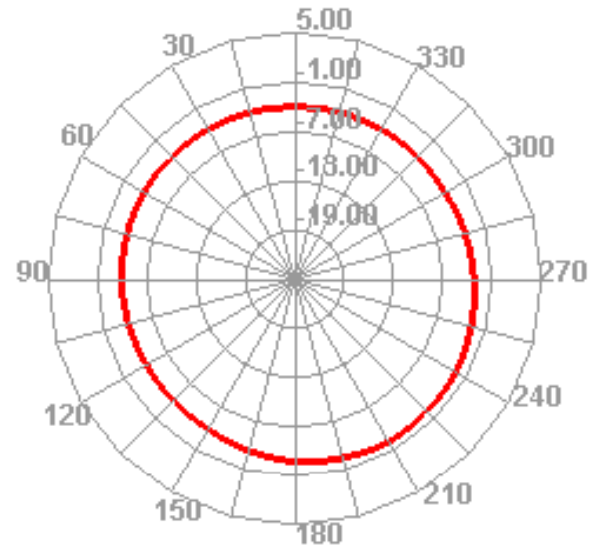


Radiation Pattern For BT Antenna

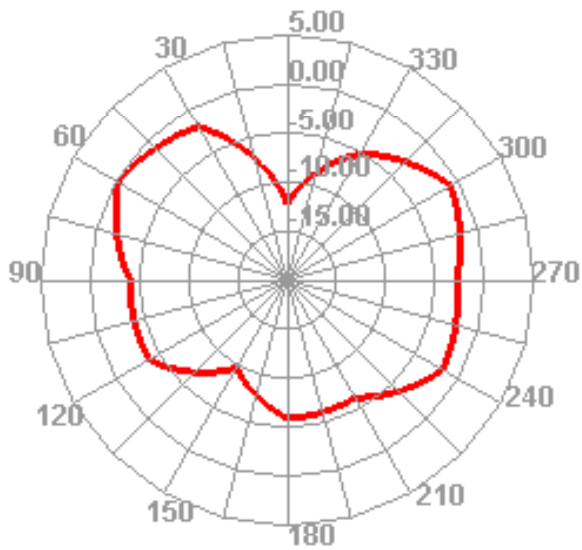
2450.000MHz



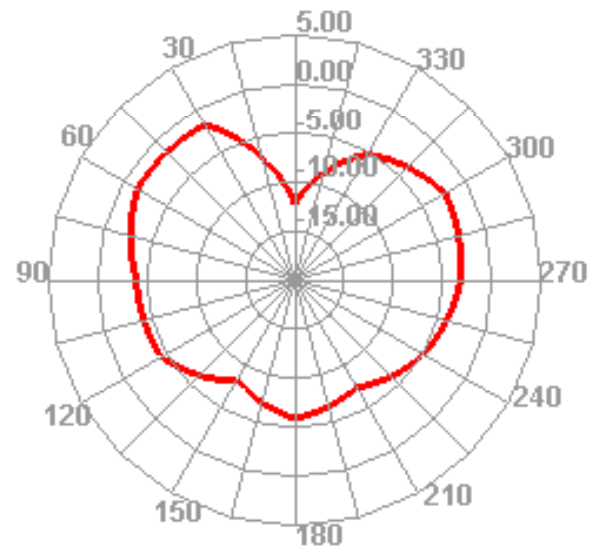
2450.000MHz H



2450.000MHz E1



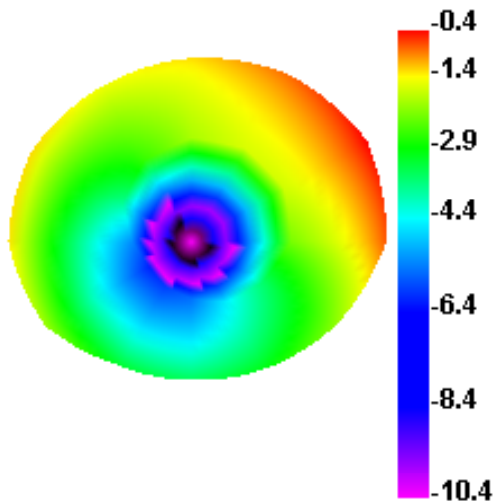
2450.000MHz E2



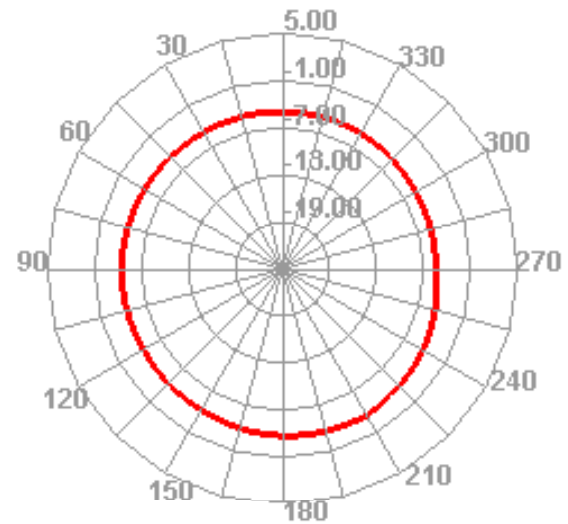


Radiation Pattern For BT Antenna

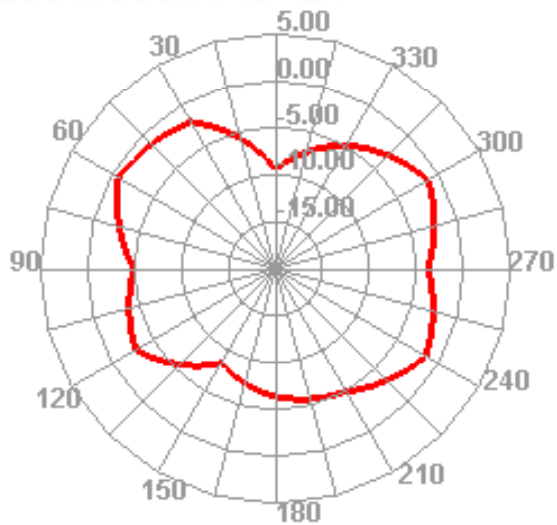
2500.000MHz



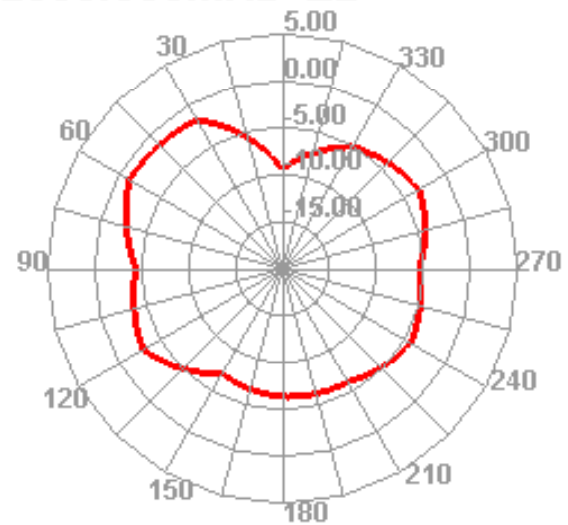
2500.000MHz H



2500.000MHz E1



2500.000MHz E2





Antenna BT

