



Shen zhen Golden-Resource Electronic Co.,Ltd.

SPECIFICATION FOR APPROVAL

Date 2022/11/18

File No 22111801

Revision 1.0

CUSTOMER: SMART ELECTRONIC INDUSTRIAL CO.,LTD.

CUSTOMER NO: ETGGD23800010-JLY

PART NAME: BT Antenna

SUPPLIER NO: YJW01.029.103.301A

Date:

Q"TY: PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	XieLi	ChenXingcheng

YJ-RD-F04-A

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



Spec Item

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10	-	-	-
11	N/A	N/A	N/A
12	-	-	-
13	-	-	-

RoHS
Compatible

CUSTOMER
PART NO

REV.

A

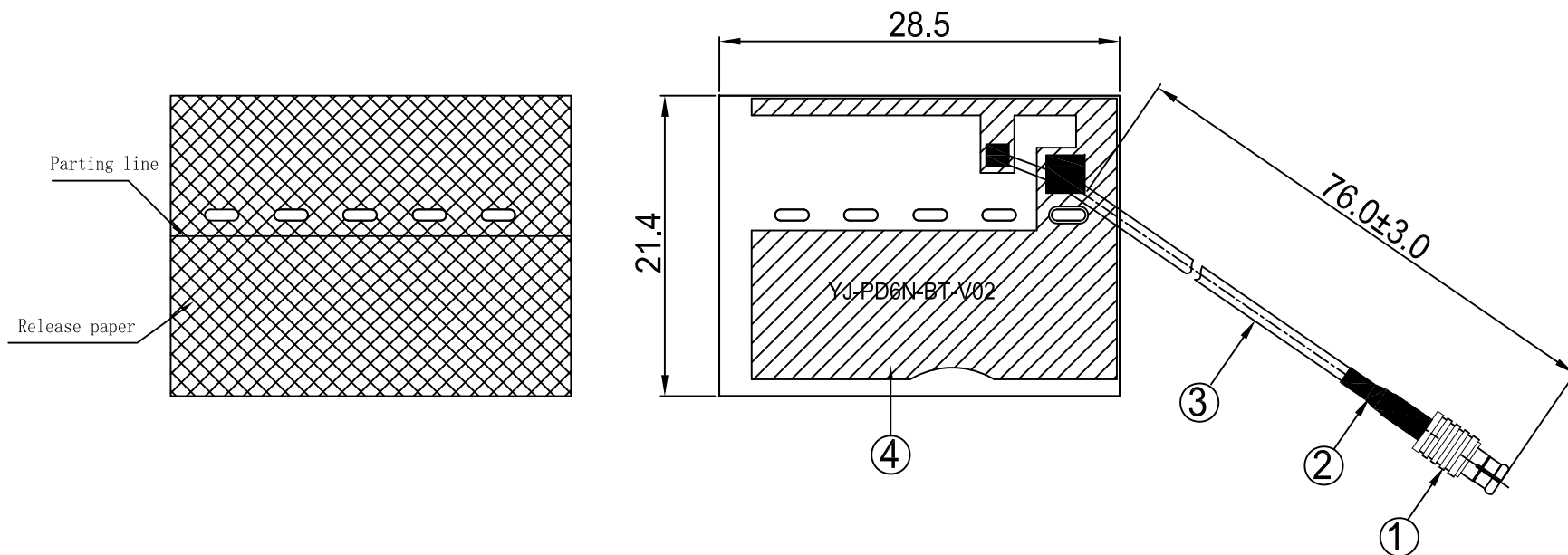
B

DESCRIPTION

Initial Issue

DATE

2022-09-13



4	FPC	28.5*21.4MM	FPCB	FPC11605A.P01	1
3	Coaxial Cable	O.D.1.37 Black	O.D.1.37	COA1000XA.P01	1
2	Heatshrinkable	L15.0mm/Ø2.5mm	EVA Black	EVA1000XA.P01	1
1	MCX plug	Au Plated	Cu	CON1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

Shen zhen Golden-Resource Electronic Co.,Ltd.

PART NAME: BT Antenna

PART NO.: YJW01.029.103.301A

DATE: 2022-09-13

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

YinTao

XieLi

ChenXingyi

UNITS: mm

SCALE: 1/1

REVISION: A



Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	1.4 dBi
Radiation	Omni-directional
Polarization	Linear

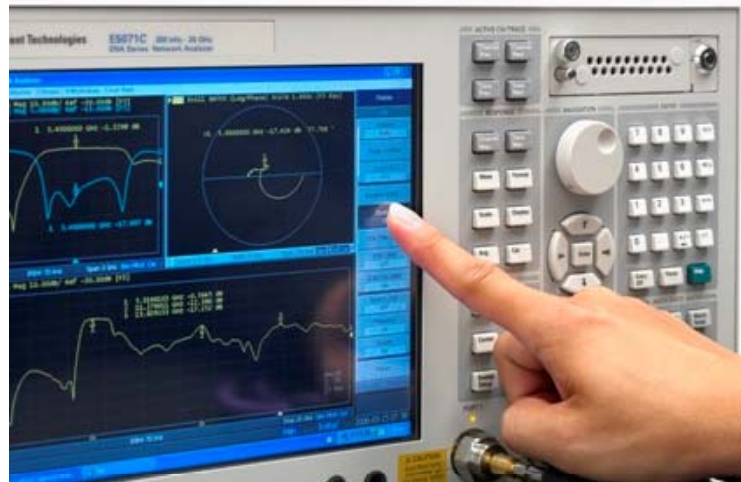
Physical Properties

Connector	MCX plug
Cable Type	O.D.1.37mm
Cable Length	76mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

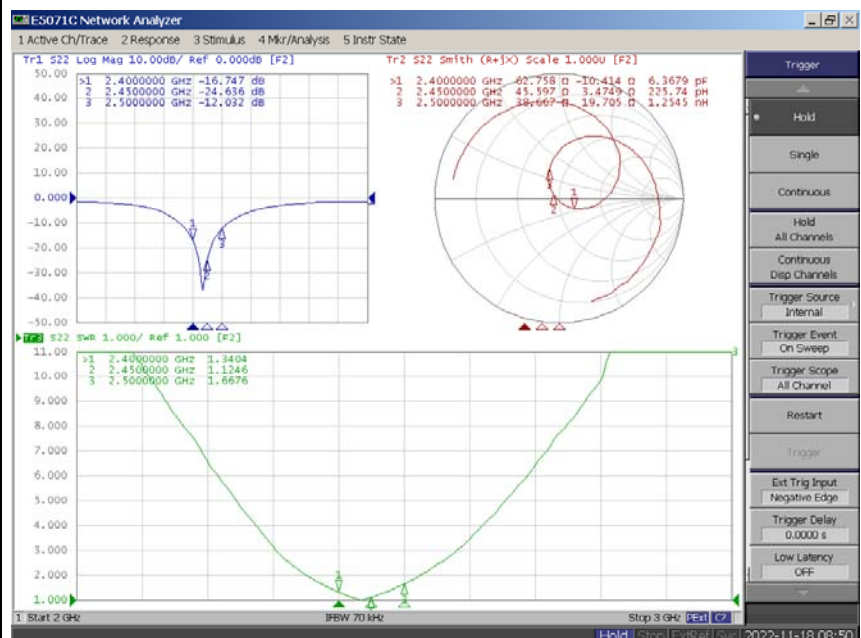


Antenna Performance Test

**Agilent
E5071B**

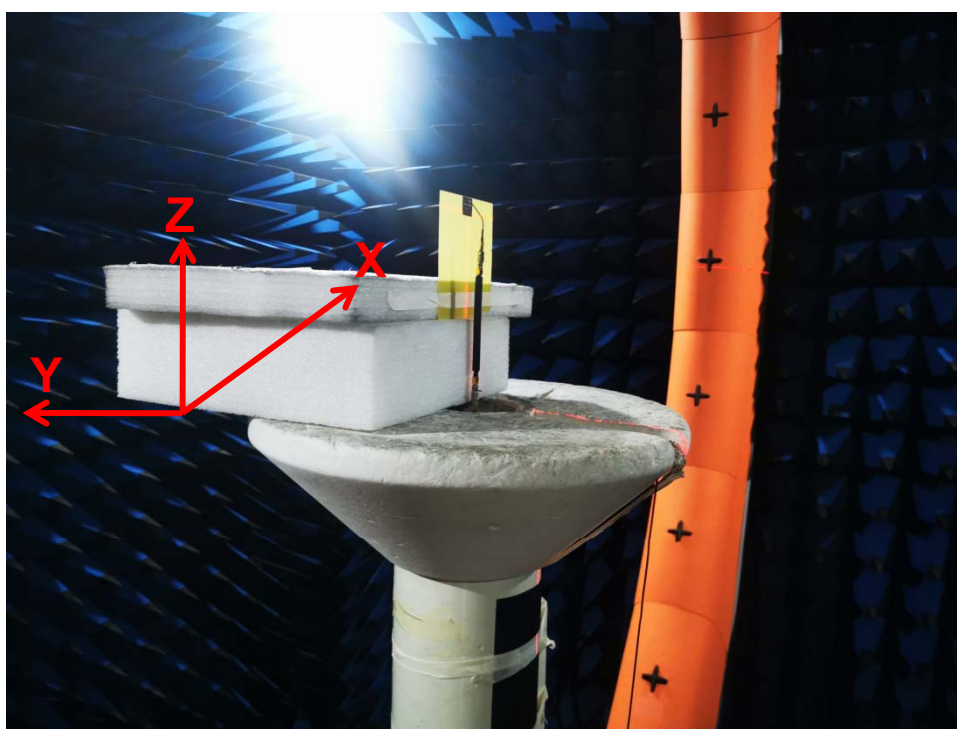
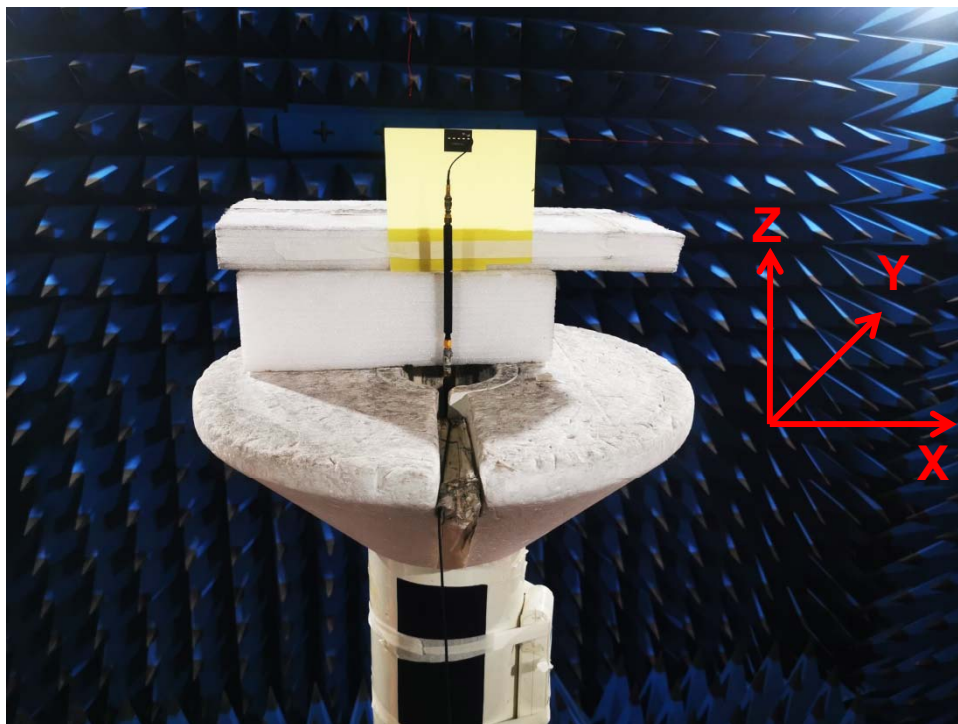


**S
Parameter
Test //
BT
Antenna**





Antenna Passive Test



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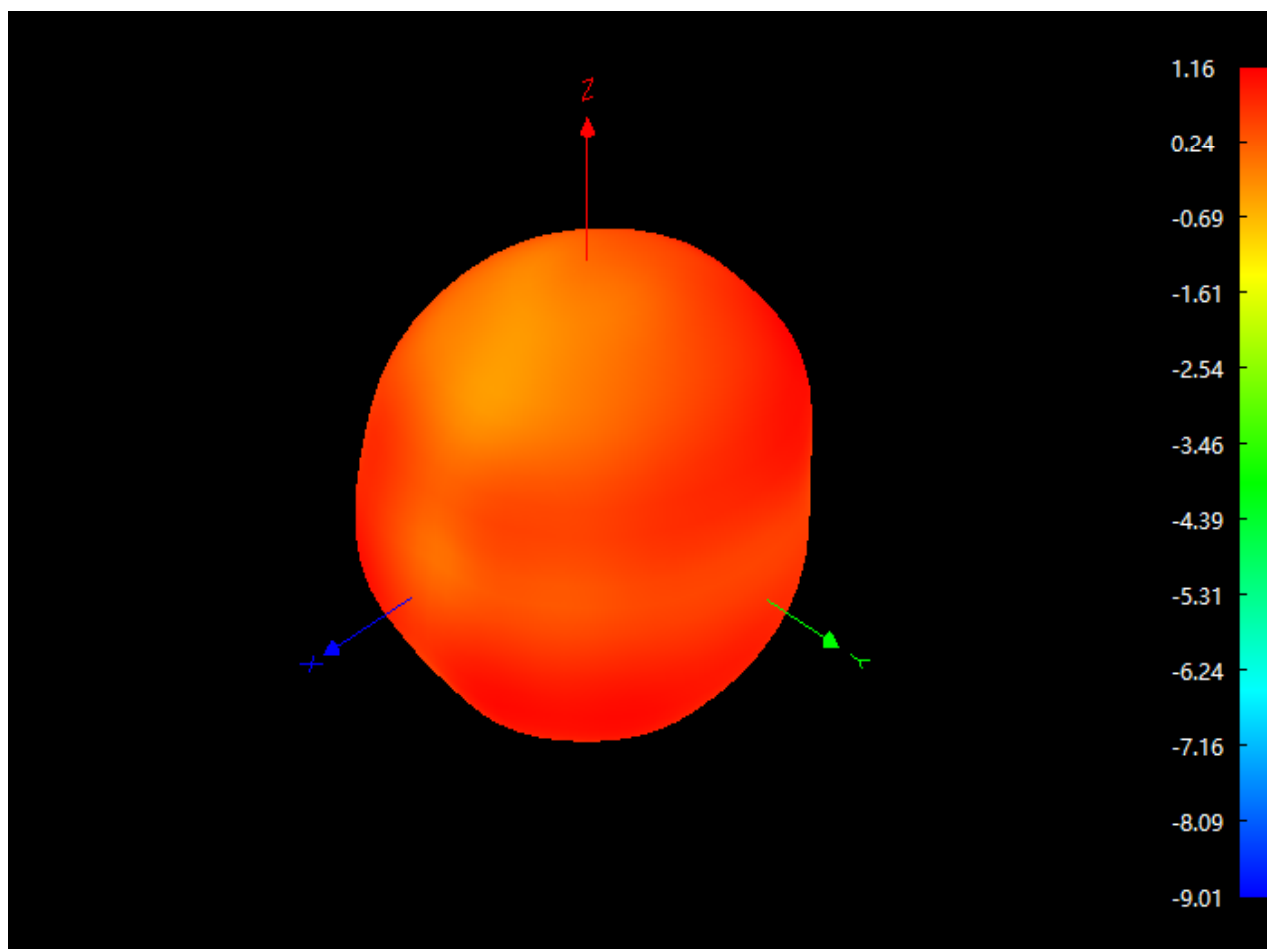


Passive Test For BT Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	76.2	-1.2	1.4
2410	76.9	-1.1	1.2
2420	75.3	-1.2	1.0
2430	75.2	-1.2	1.1
2440	74.8	-1.3	1.1
2450	76.0	-1.2	1.2
2460	72.6	-1.4	1.1
2470	74.1	-1.3	1.3
2480	71.6	-1.5	1.2
2490	70.5	-1.5	1.0
2500	64.1	-1.9	0.7

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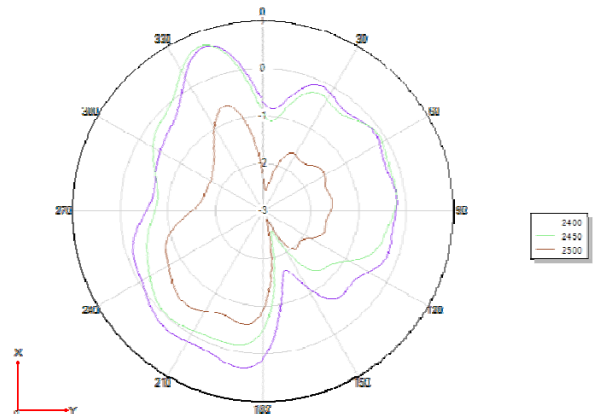
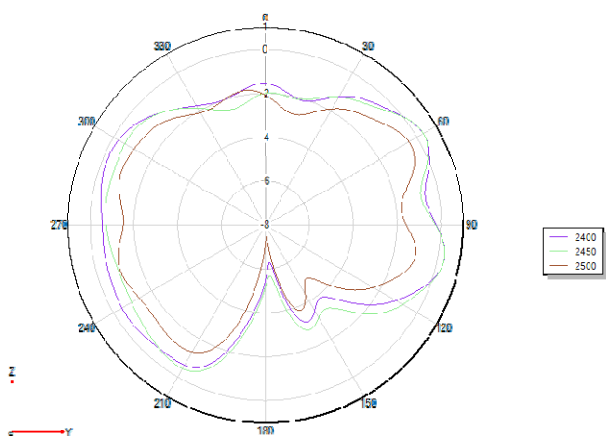
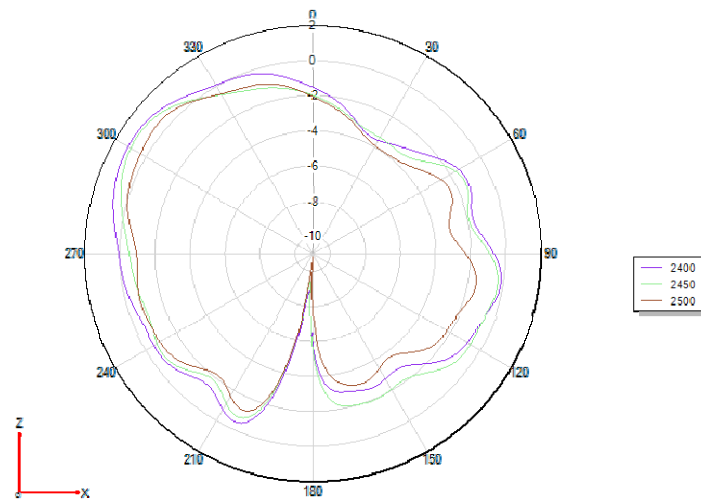


Radiation Pattern For BT Antenna(2450MHz)



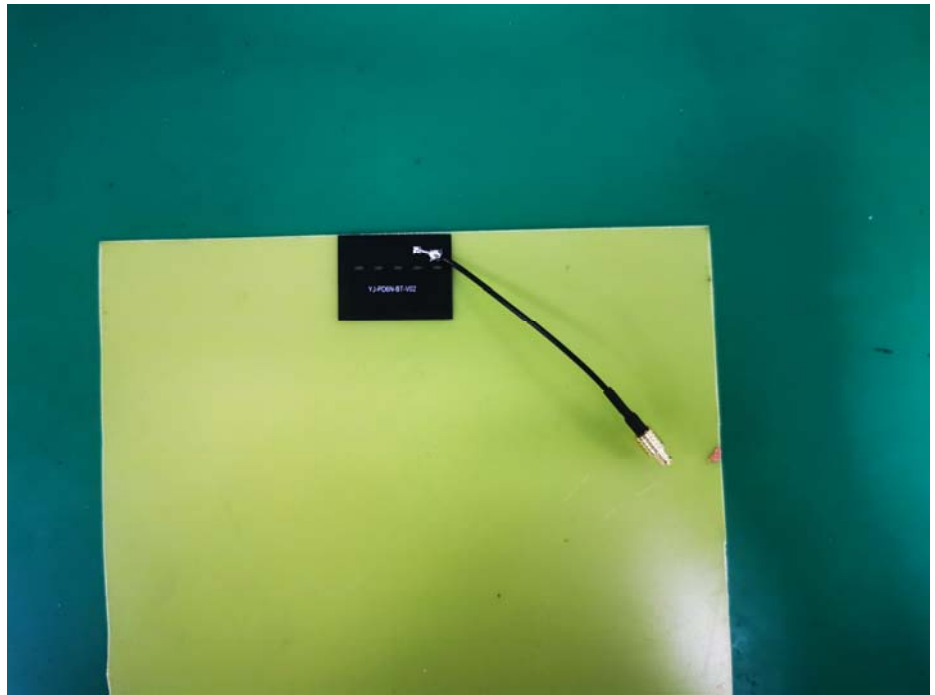


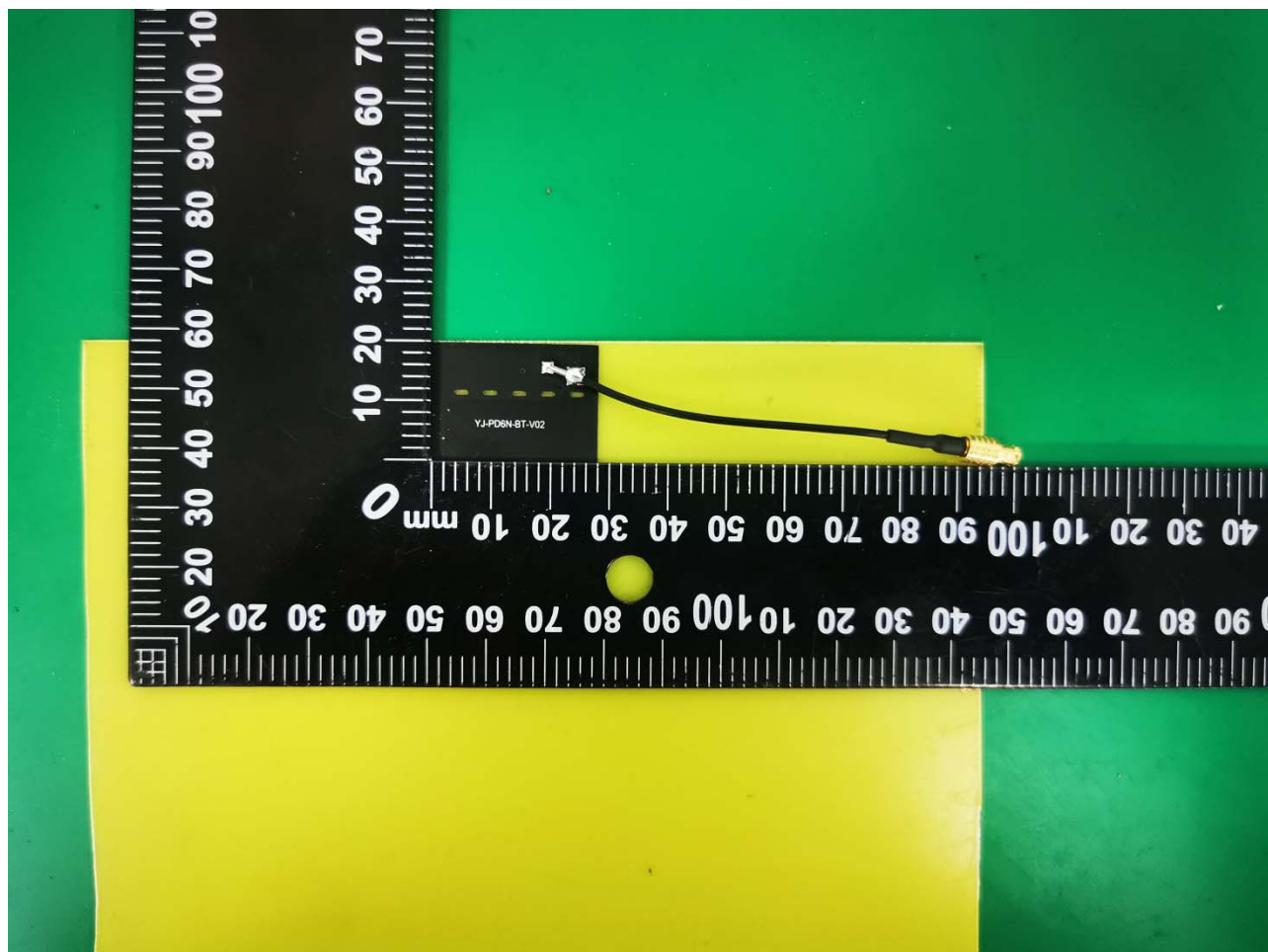
2D Radiation Pattern For BT Antenna





BT Antenna





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