



Shenzhen DEWEIMA Communication Equipment Co.,Ltd

SPECIFICATION SHEET FOR APPROVAL

CUSTOMER NAME	REESTAR INTERNATIONAL LIMITED
CUSTOMER P/N	R-A012
PART NAME	BT Antenna
DWM NO.	
APPROVAL REV.	DWM-V1.0

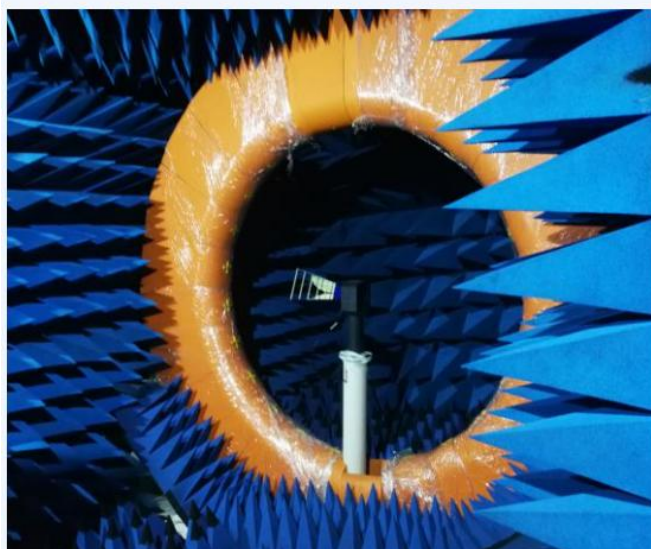
CONTRACTOR			DATE : 2024-08-05
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

CUSTOMER		DATE :
Approved By	Checked By	Prepared By

1. Product Application

Terminal of the antenna products can only be used for BT antenna.

2. The test equipment



A 24-probe microwave chamber



R&S CMW500



Agilent E5515C



Agilent Technologies E5071B

3. BT Antenna description

3.1 BT Technology Parameters

Manufacture: Jiangxi Xinmanda Circuit Co., Ltd

Address: Building B1, Block D11-1-B, Jizhou District industrial park, Ji'an, Jiangxi province

Antenna Model: NA

BT antenna type: PCB antenna

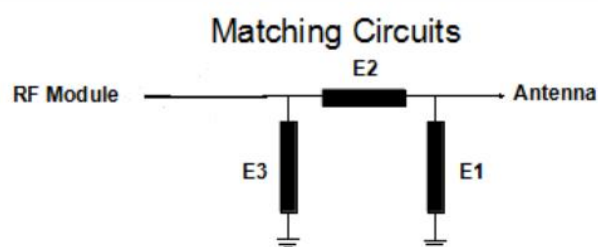
BT Frequency Range: 2400MHz-2500MHz

Maximum antenna gain: 1.77dBi

Operating Humidity: 85% R.H.MAX

Temperature Rating: 5°C ~ +40°C

3.2 BT matching circuit



Element	Value
E1(0402)	0.5PF
E2(0402)	4.7PF
E3(0402)	NC



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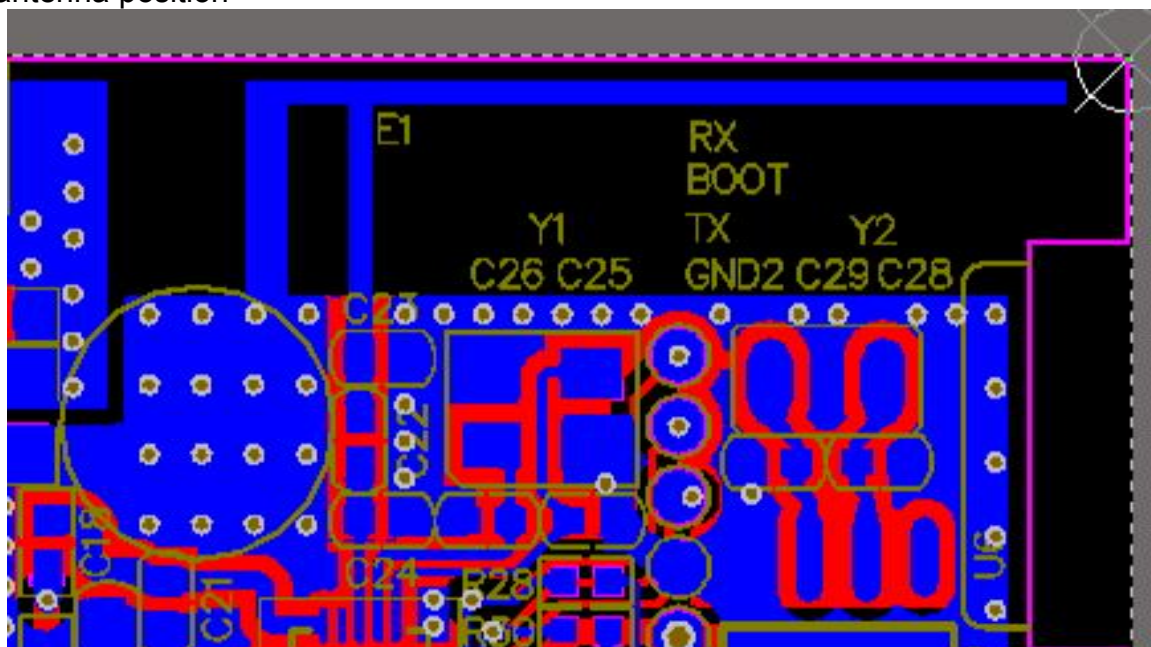
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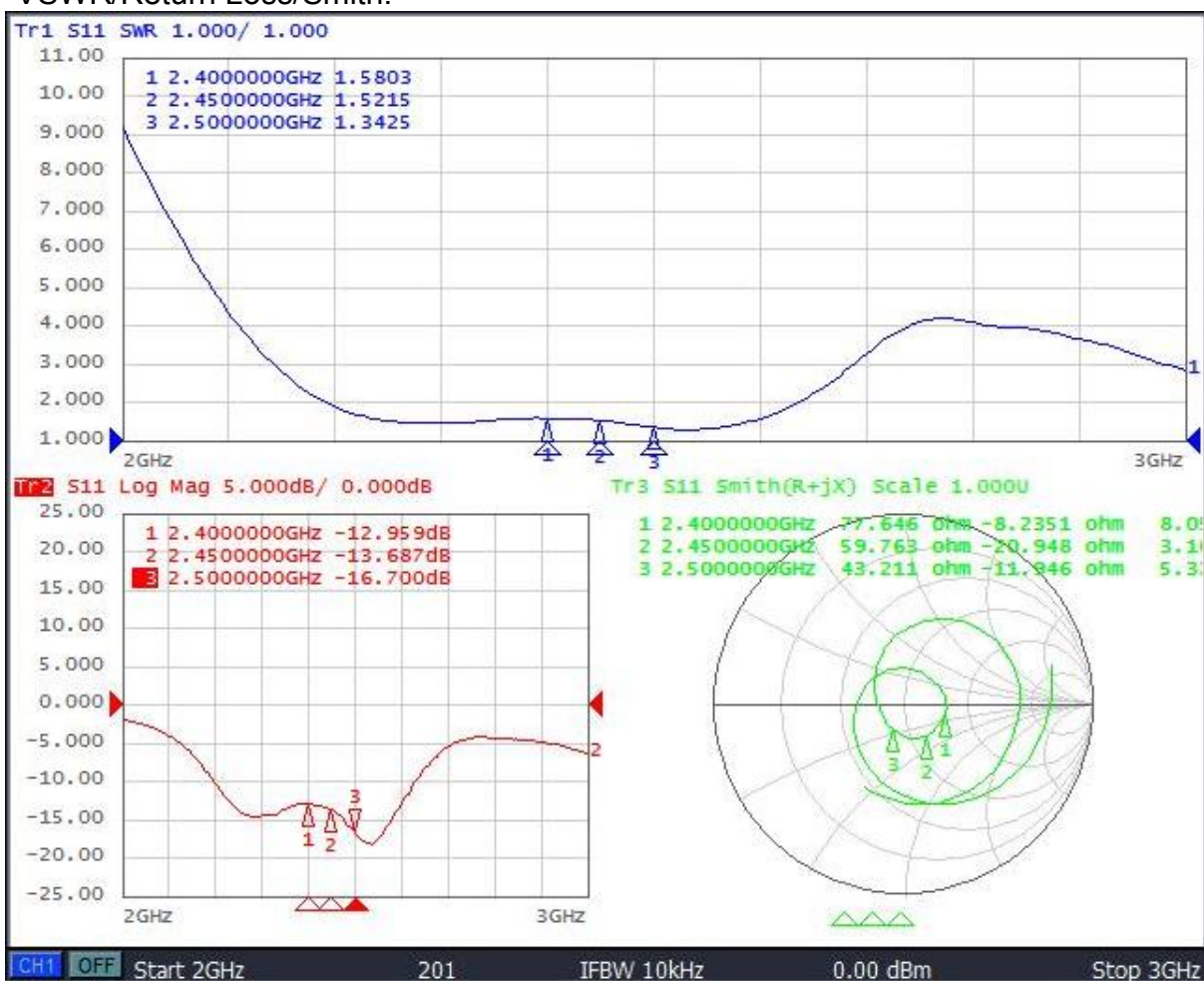
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3.3 BT antenna position



3.4 BT VSWR/Return Loss/Smith:





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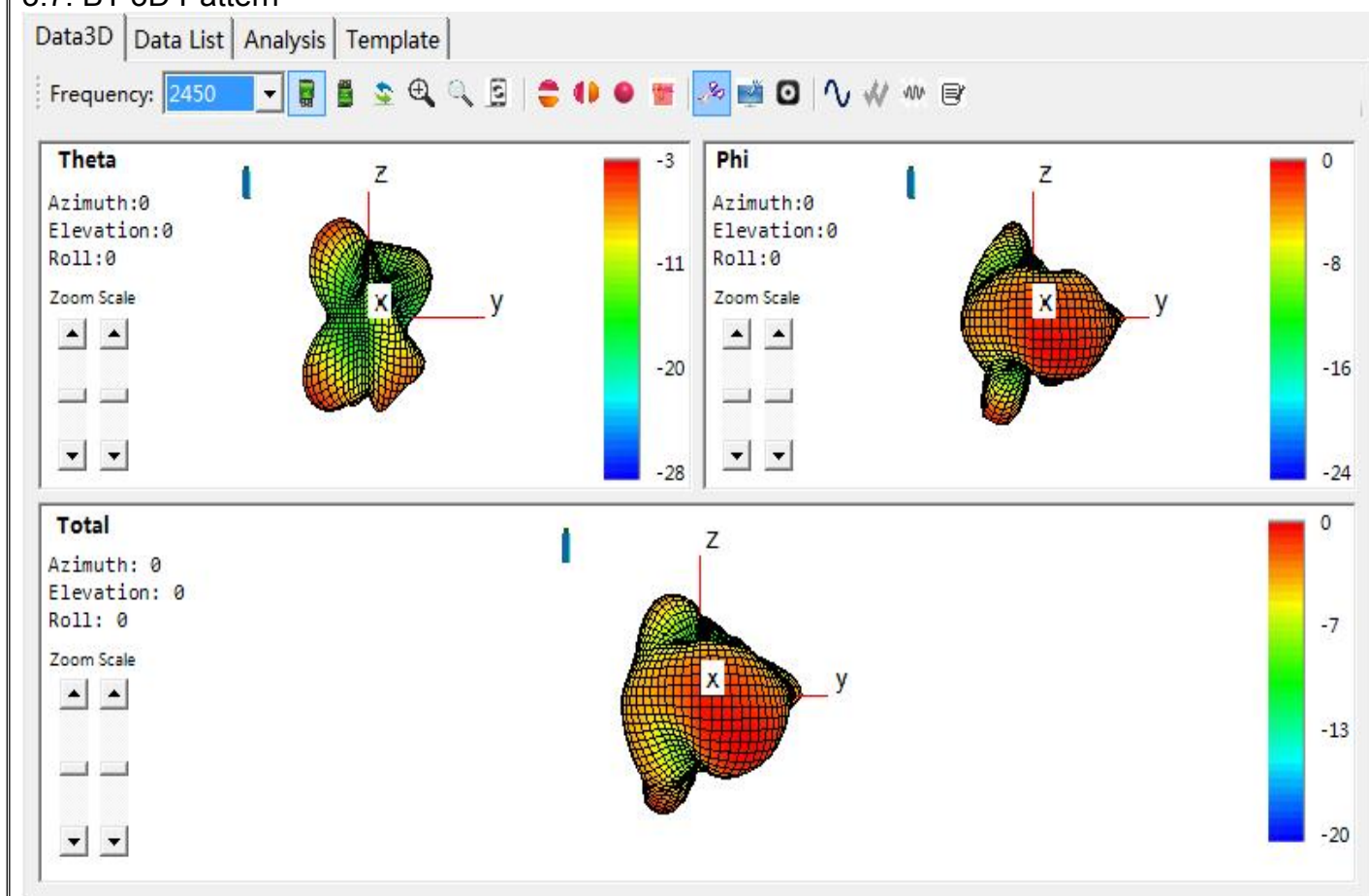
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3.5 BT Efficiency And Gain:

Frequency (MHz)	Efficiency (%)	Peak gain(dBi)
2400	34	0.41
2410	33	0.10
2420	33	0.04
2430	32	-0.05
2440	30	-0.37
2450	30	-0.30
2460	31	0.14
2470	32	0.83
2480	32	1.24
2490	34	1.59
2500	35	1.77

3.7. BT 3D Pattern





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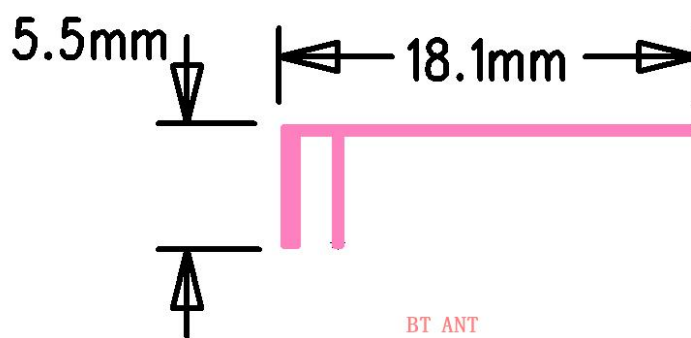
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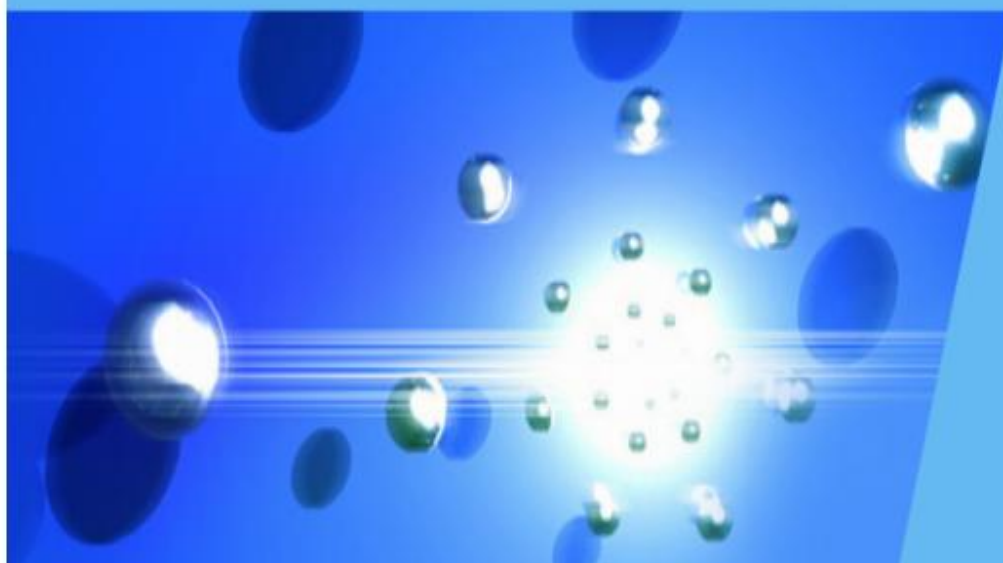
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3.7 BT Engineering drawings:



PCB on-board antenna

Professional RF R&D institutions



Thank You !

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