

SPECIFICATION FOR APPROVAL

customer: Accton

brand: Su Zhou T-Create Tcehnolpgy Co., LTD

description: PCB Antenna 1.37White Cable L=45mm

specification 126-002-382
/part no: _____

DATE: 2022/06/17

remark: _____



Formulate/ Date	Check/Date	Approve/Date
Chuang Qi Reh /10.21	Guo Qiang Wang /10.21	David /10.21

Add. : ongchun Industrial Workshop, Chunwang Road, Huangdai Town,
Xiangcheng District, Suzhou City

Tel. : 0512-65088422

Fax. : 0512-65088433

SPECIFICATION FOR APPROVAL

☒ New Parts ☐ Change

Change record field	Change content	Change Date
A		
B		
C		
D		

(Class I environmental management substances shall be prohibited)

COMPANY	Accton
PARTNAME	120300000315S
PART NO	126-002-382

(APPROVED BY STAMP)

Presented by(RD)	Check by (PC)	Approve by (QC)



(DATE) : 06 (MONTH)

(DAY) : 2022 (YEAR)

Suzhou T-Create Technology Co., LTD

Add. : Songchun Industrial Workshop, Chunwang Road, Huangdai Town, Xiangcheng District, Suzhou City

Tel. : 0512-65088422

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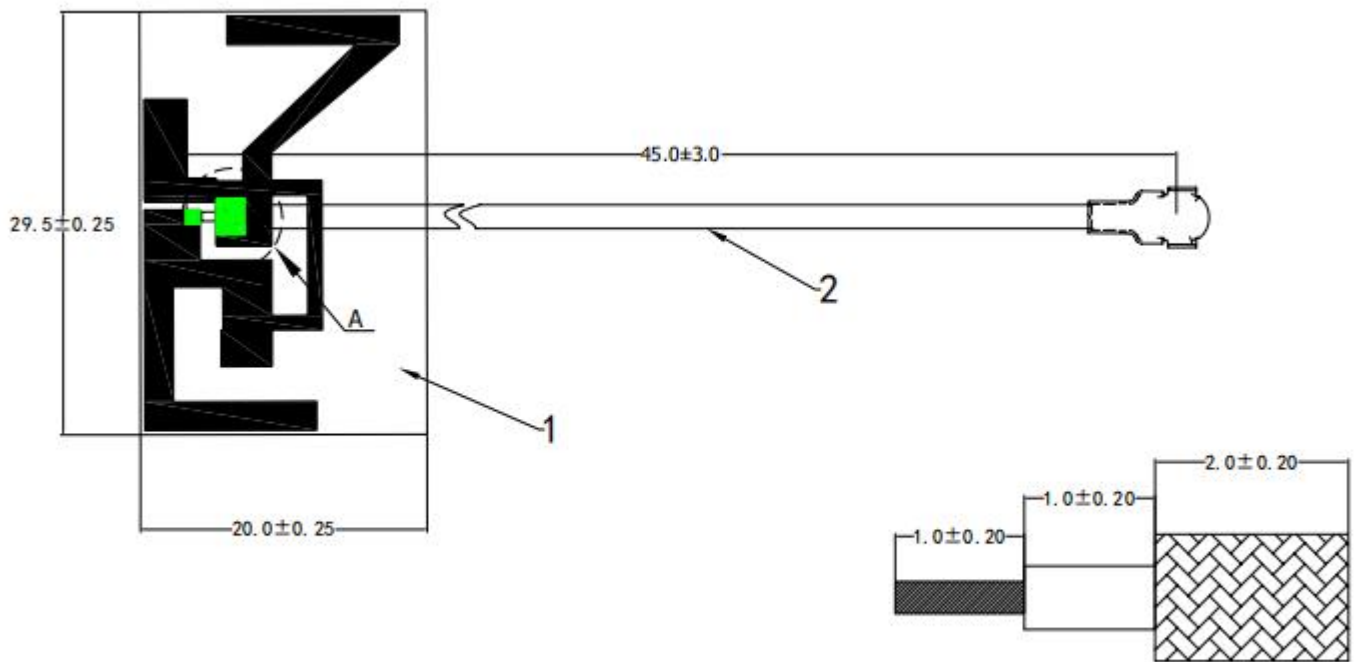
Specification

1. Electrical properties:

1.1 Frequency Range.....	2.4GHz-2.5GHz 5.15GHz—5.85GHz
1.2 Impedance	50Ω
1.3 VSWR.....	≤ 2.0
1.4 Gain.....	2G 4.0 ± 0.5dBi 5G 5.0 ± 0.5dBi

2. Mechanical Properties:

2.1 Cable.....	1.37 White cable
2.2 Connector.....	MHF137
2.3 Operating Temp.....	-20℃～+65℃
2.4 Storage Temp.....	-30℃～+70℃
2.5 Storage Time.....	3 Years

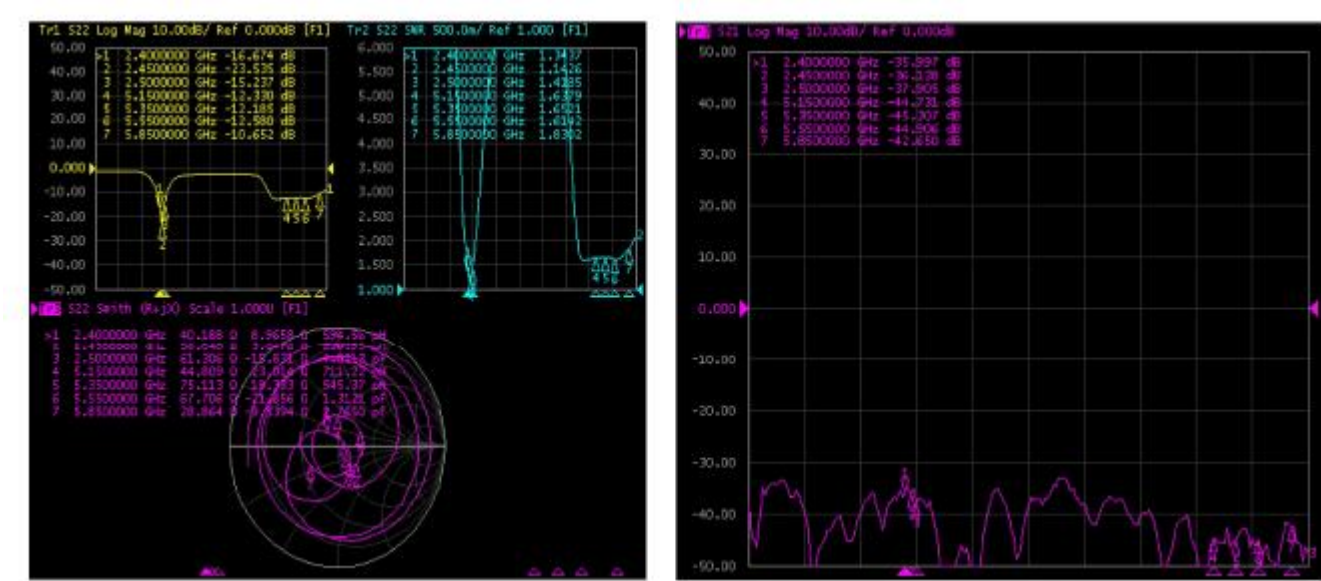


A = B(Strip)

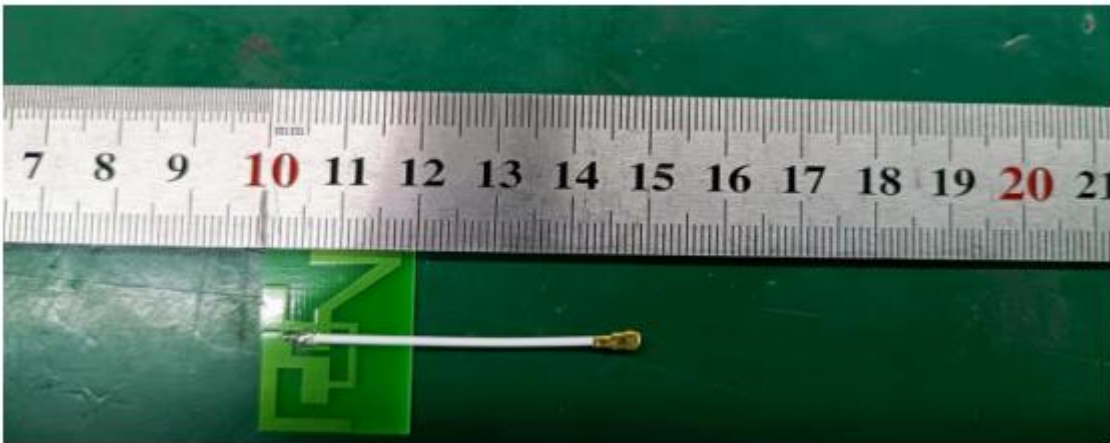
Technical requirements:

- 1、Frequency: 2.4–2.5G 5.15–5.85G
- 2、 $VSWR \leq 2.0$
- 3、Gain: 2G/4DBi ; 5G/5DBi

Test data



Physical Photos



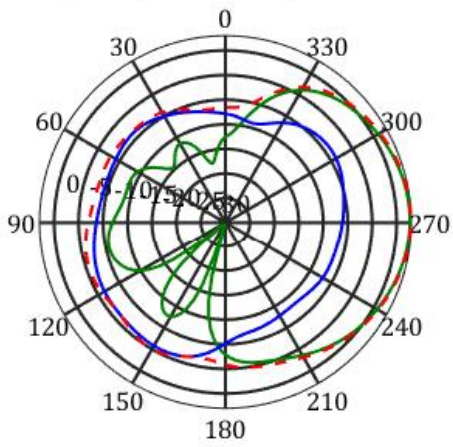
UL Label position, sealing in the middle of the carton:



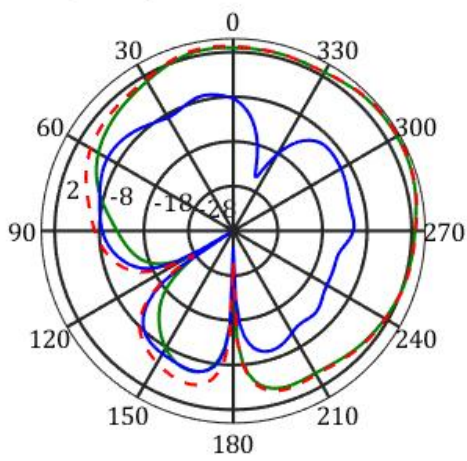
Ant.1 2.4GHz 2D Radiation Pattern

x-axis: red
y-axis: green
z-axis: blue

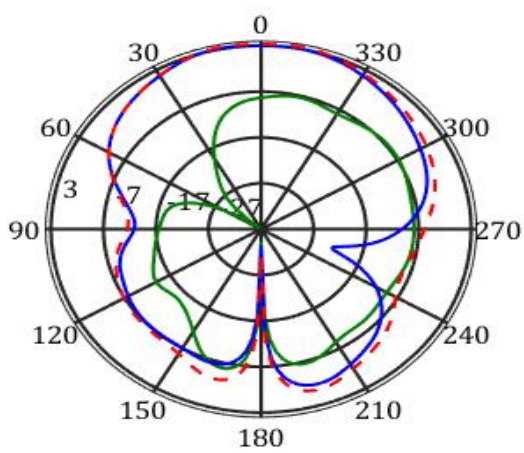
frequency=2400MHz, X-Y Plane



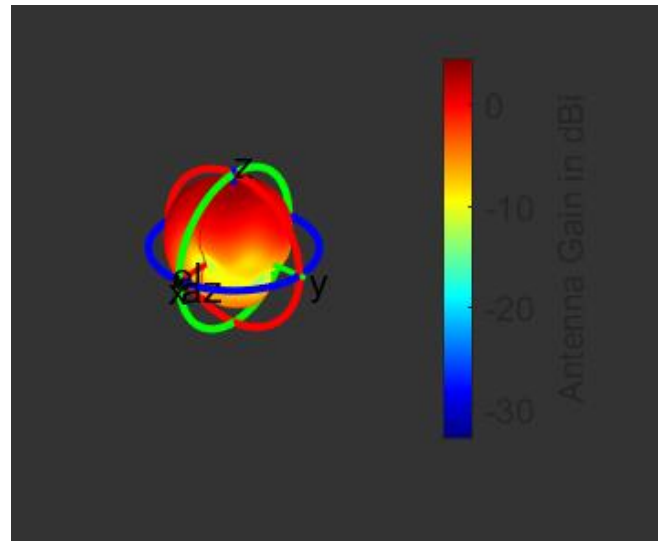
frequency=2400MHz, Y-Z Plane



frequency=2400MHz, X-Z Plane



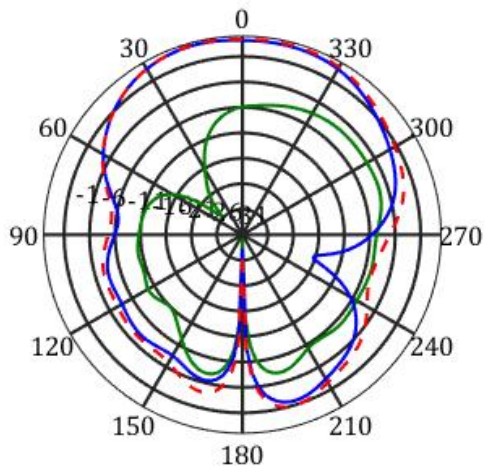
3D Pattern



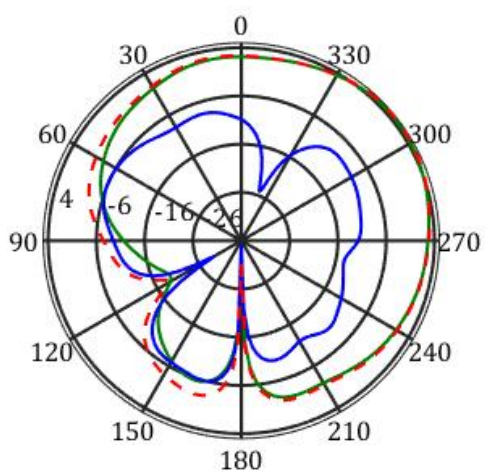
Ant.1 2.45GHz 2D Radiation Pattern

x-axis: red
y-axis: green
z-axis: blue

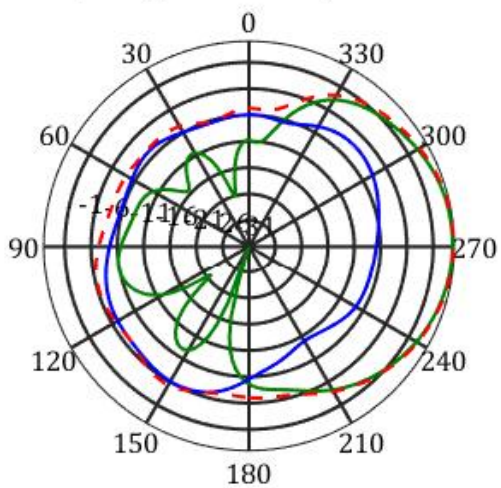
frequency=2450MHz, X-Z Plane



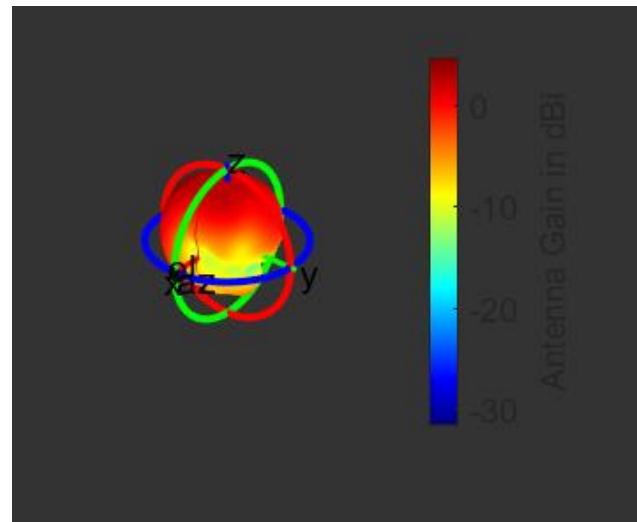
frequency=2450MHz, Y-Z Plane



frequency=2450MHz, X-Y Plane



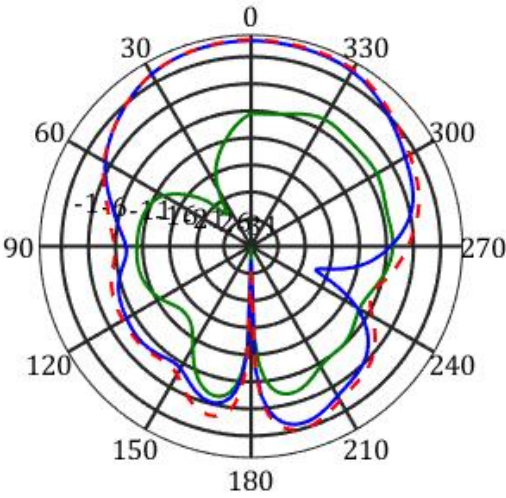
3D Pattern



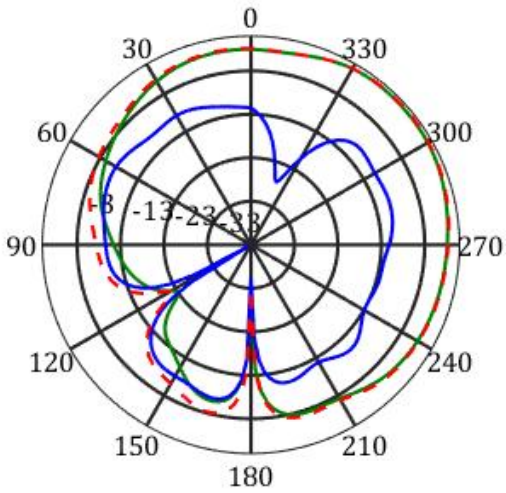
Ant.1 2.5GHz 2D Radiation Pattern
x-axis: red
y-axis: green
z-axis: blue

3D Pattern

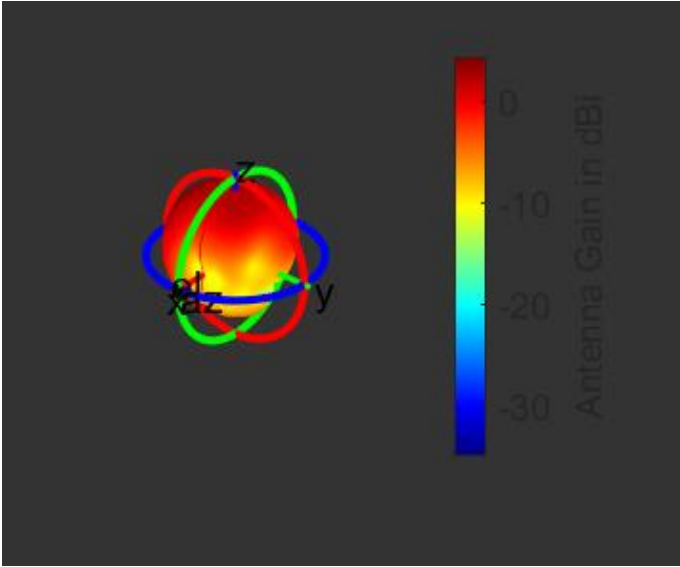
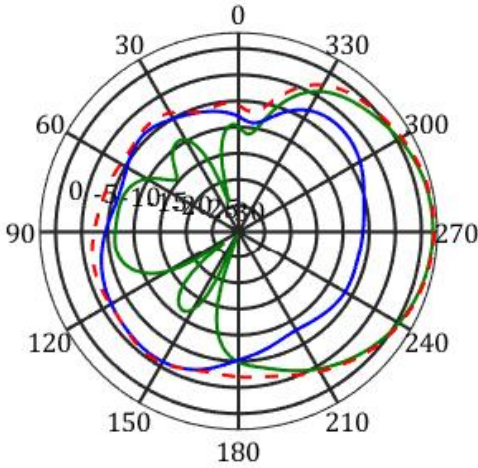
frequency=2500MHz, X-Z Plane



frequency=2500MHz, Y-Z Plane



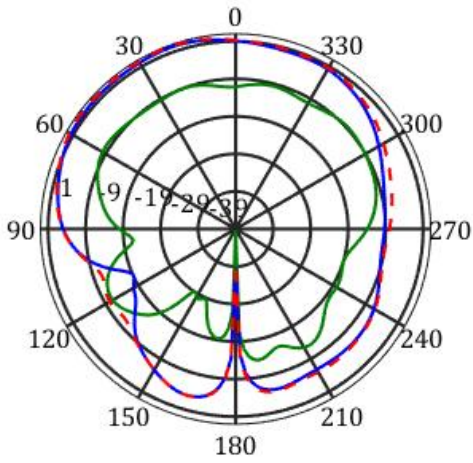
frequency=2500MHz, X-Y Plane



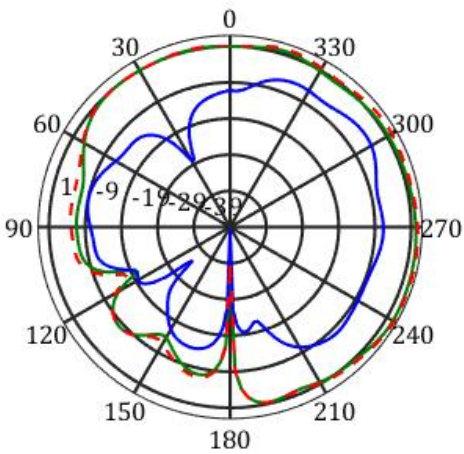
Ant.1 5.15GHz 2D Radiation Pattern
x-axis: red
y-axis: green
z-axis: blue

3D Pattern

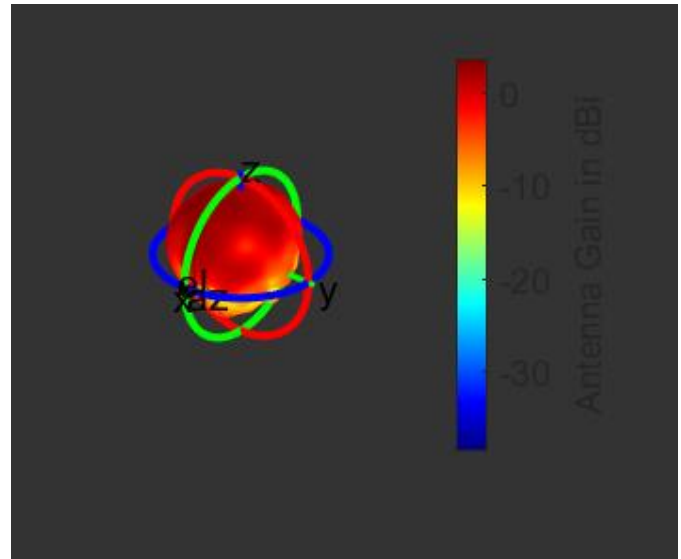
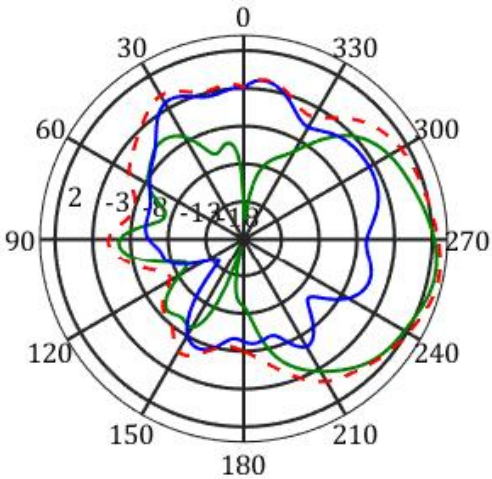
frequency=5150MHz, X-Z Plane



frequency=5150MHz, Y-Z Plane

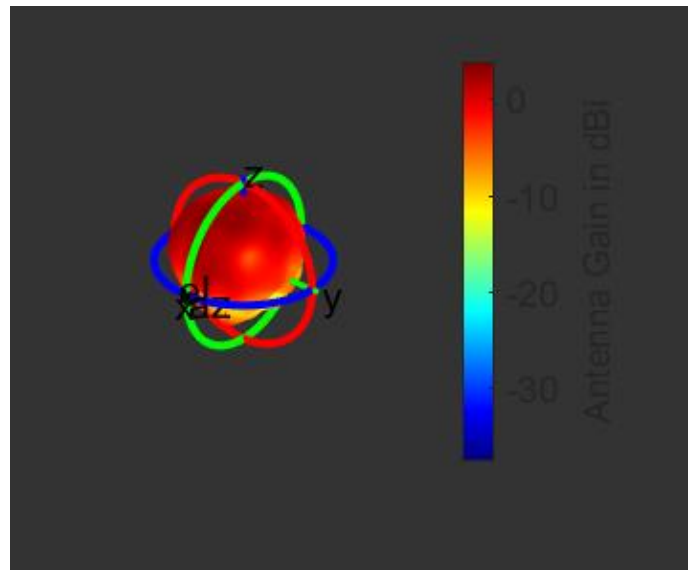


frequency=5150MHz, X-Y Plane

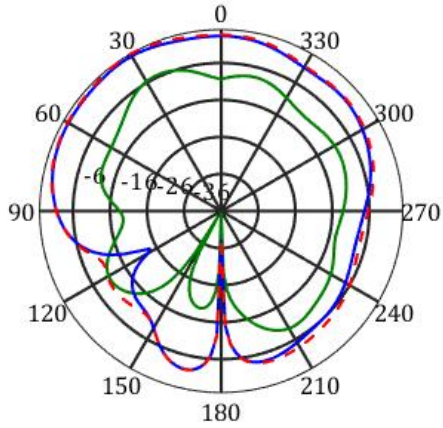


Ant.1 5.5GHz 2D Radiation Pattern
x-axis: red
y-axis: green
z-axis: blue

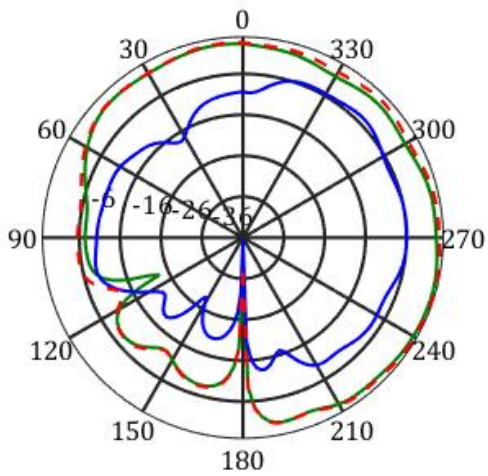
3D Pattern



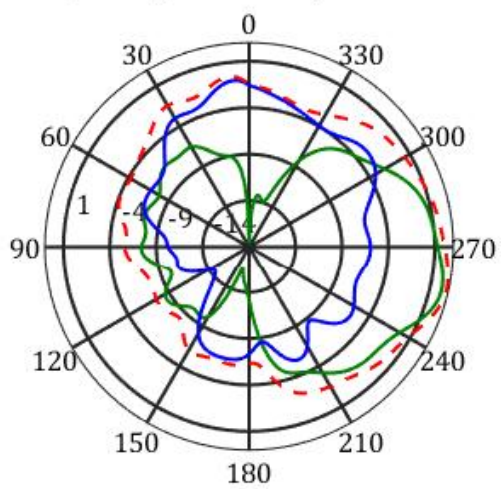
frequency=5500MHz, X-Z Plane



frequency=5500MHz, Y-Z Plane



frequency=5500MHz, X-Y Plane

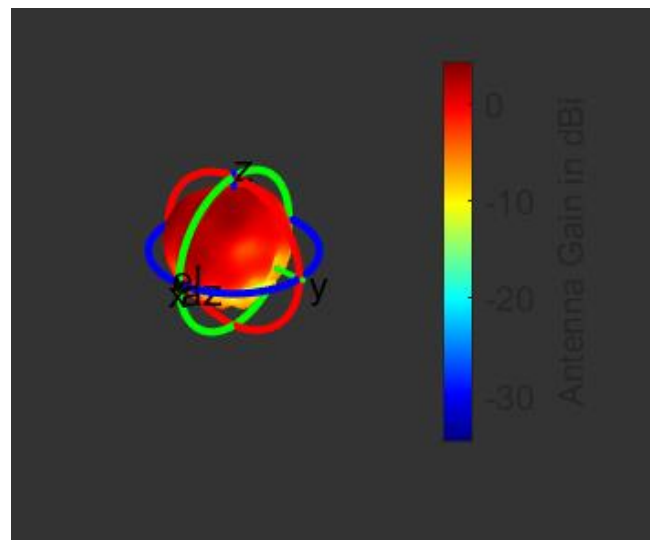
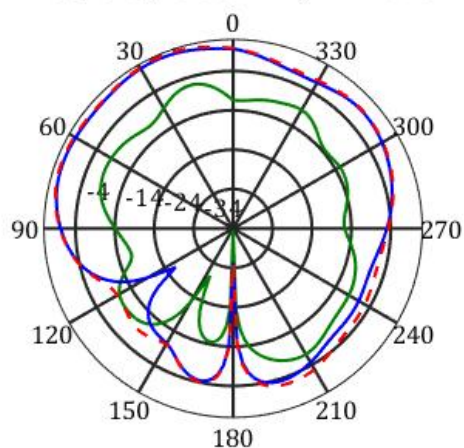


Ant.1 5.85GHz 2D Radiation Pattern

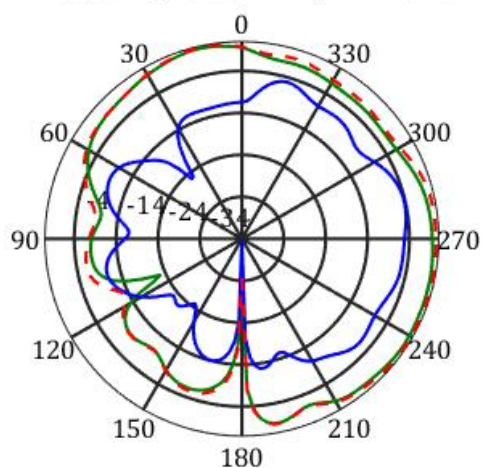
x-axis: red
y-axis: green
z-axis: blue

3D Pattern

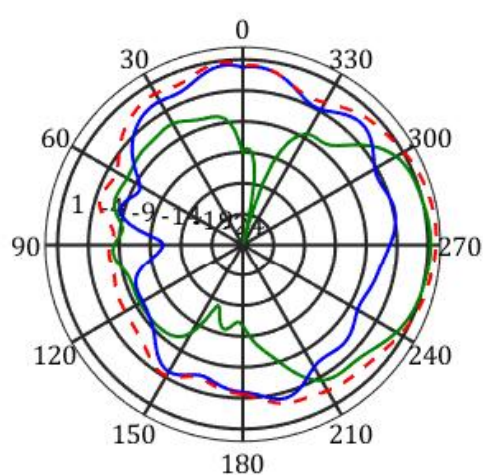
frequency=5850MHz, X-Z Plane



frequency=5850MHz, Y-Z Plane



frequency=5850MHz, X-Y Plane



Frequency (MHz)	2400	2450	2500	5150	5500	5850
Gain (dB)	4.00	3.78	3.69	4.72	4.87	5.24
Efficiency (%)	74.29	75.75	73.25	65.05	70.80	58.59

