Shenzhen Jiexuntong Wireless Technology Co., LTD

Antenna specification

Customer name: Allianz

Project model: XLB547

Antenna specification: WIFI FPC antenna

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Recognition Letter Change CV

edition	date	Change description	remark
R/A	2024-11-6	First edition	

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catalogue

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1. Antenna assembly picture

2. Test environment

2.1. Environmental treatment

no

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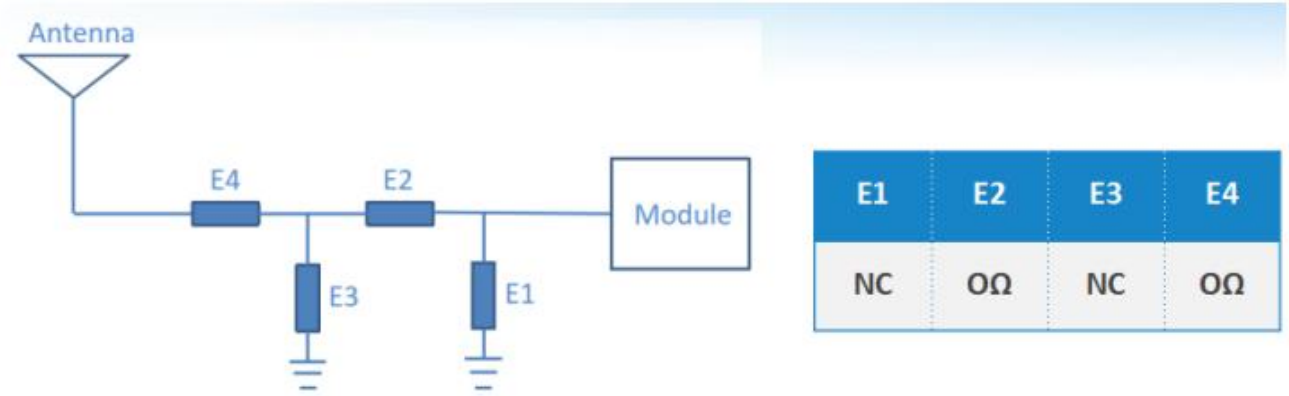
3. antenna loading coil

3.1. The antenna



*: Our company has not changed the original antenna front end matching,

4. size of product

Passive Electrical Specifications	
Frequency Range (MHz)	2400-2500MHZ
Input Impendence (Ω)	50
n bobitu VSWR	≤3
Gain (dBi)	＜3dBi
Polarization Type	Linear polarization

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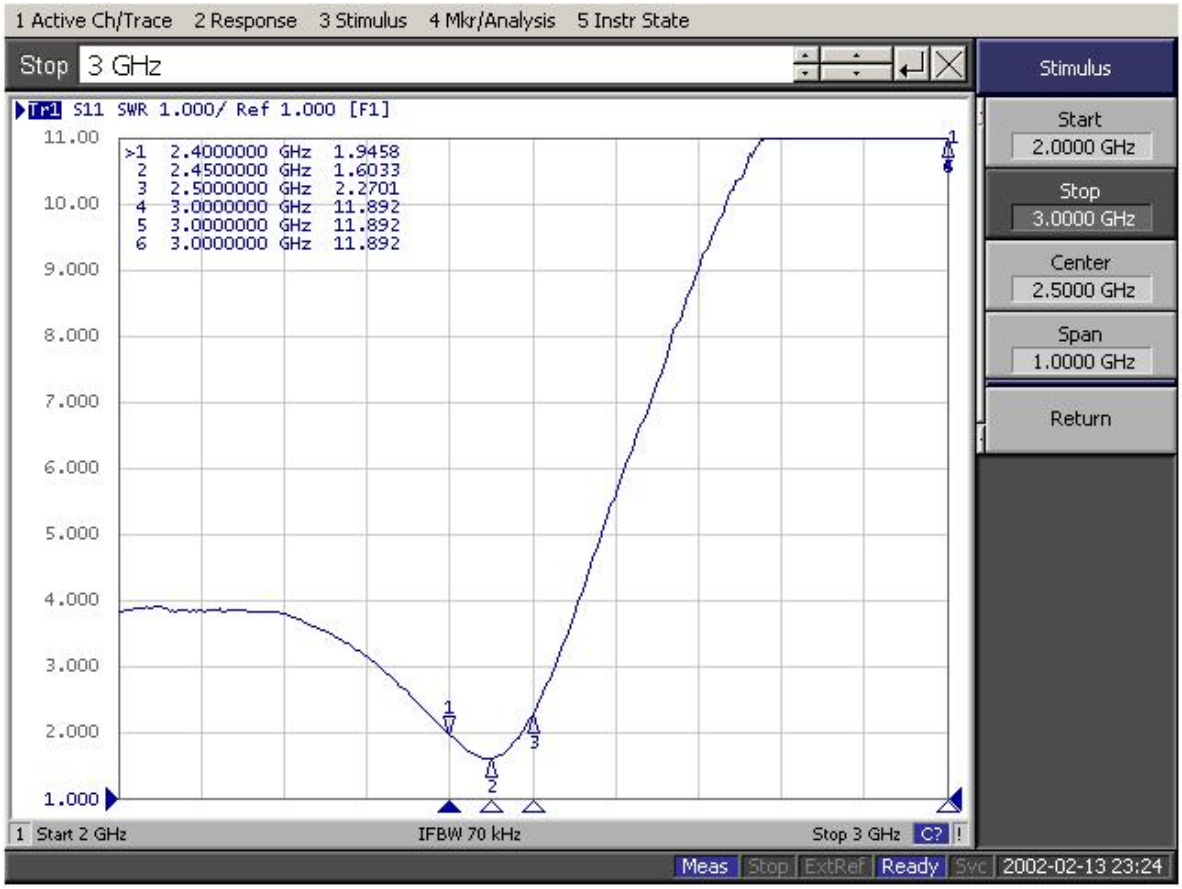
5. Electrical performance report

- n bobitu VSWR



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6. Active test data

B die 2400-2500MHz			
Frequency band	1	6	11
TRP	13.52	13.72	13.81
TIS	-84.69	-84.56	-85.24

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6.Gain efficiency

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	3.136882973	-3.755243584	42.11876628
2410	2.951496527	-3.857602917	41.13767173
2420	2.82201113	-4.022675766	39.60339554
2430	2.922929373	-4.100878503	38.89664558
2440	2.743542686	-4.261232401	37.4866611
2450	2.683032124	-4.247368789	37.60651777
2460	2.690581895	-4.343741373	36.78119733
2470	2.966030906	-4.263268272	37.46909234
2480	3.006546037	-4.258341852	37.51161953
2490	2.715557257	-4.333577034	36.86738181
2500	2.600122764	-4.490339181	35.56035451

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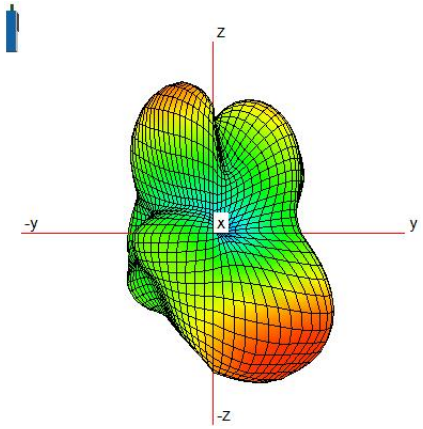
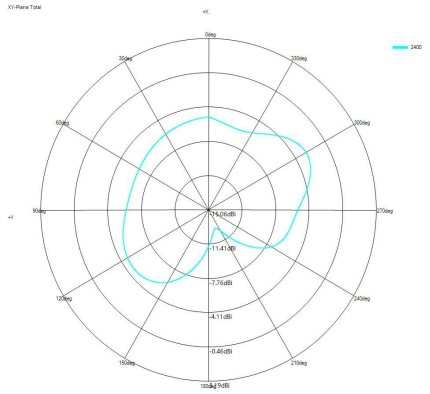
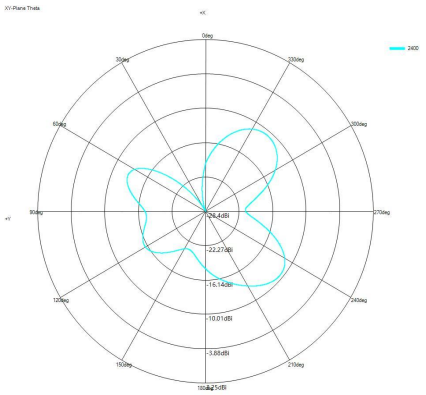
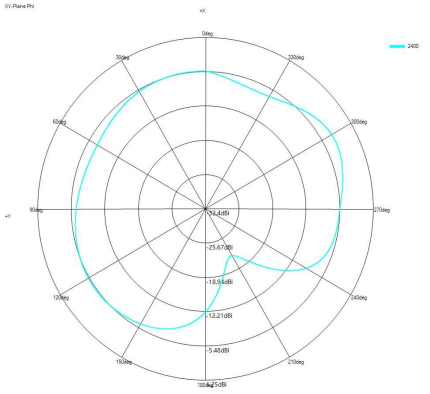
directional diagram

2400MHZ









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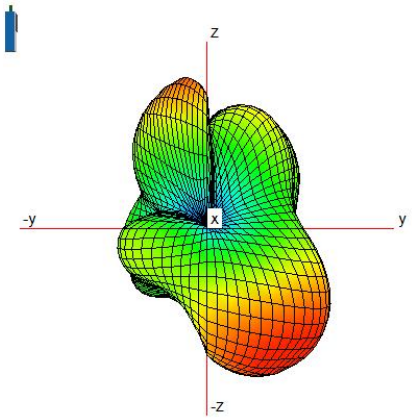
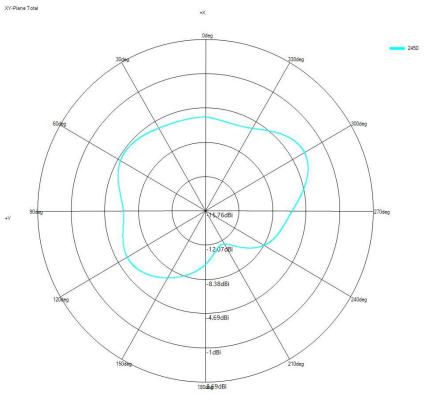
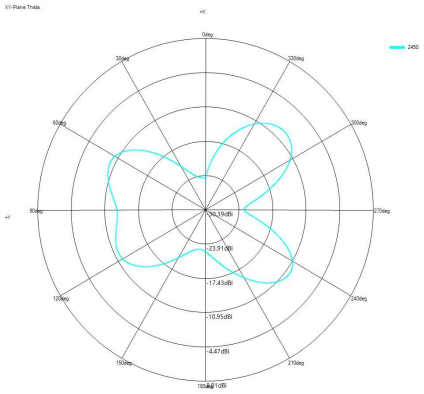
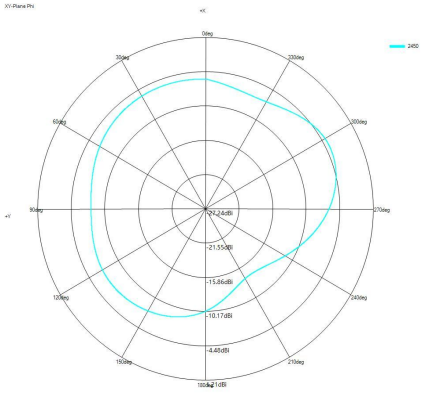
2450MHZ









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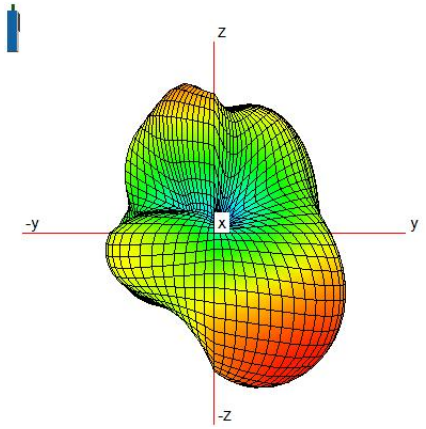
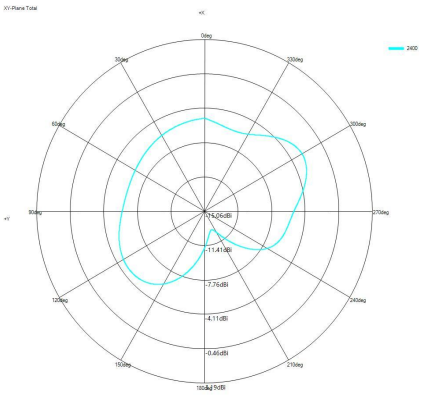
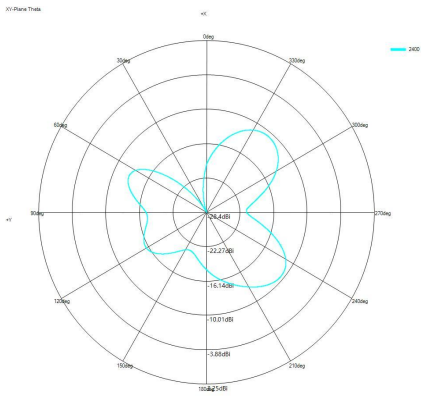
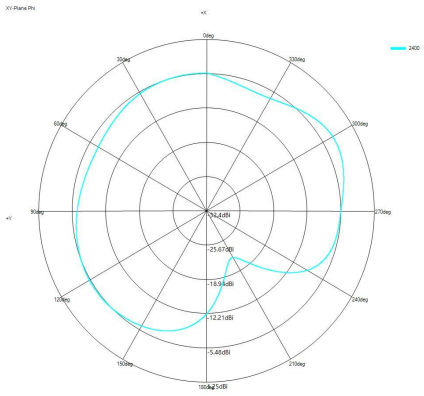
2500MHZ









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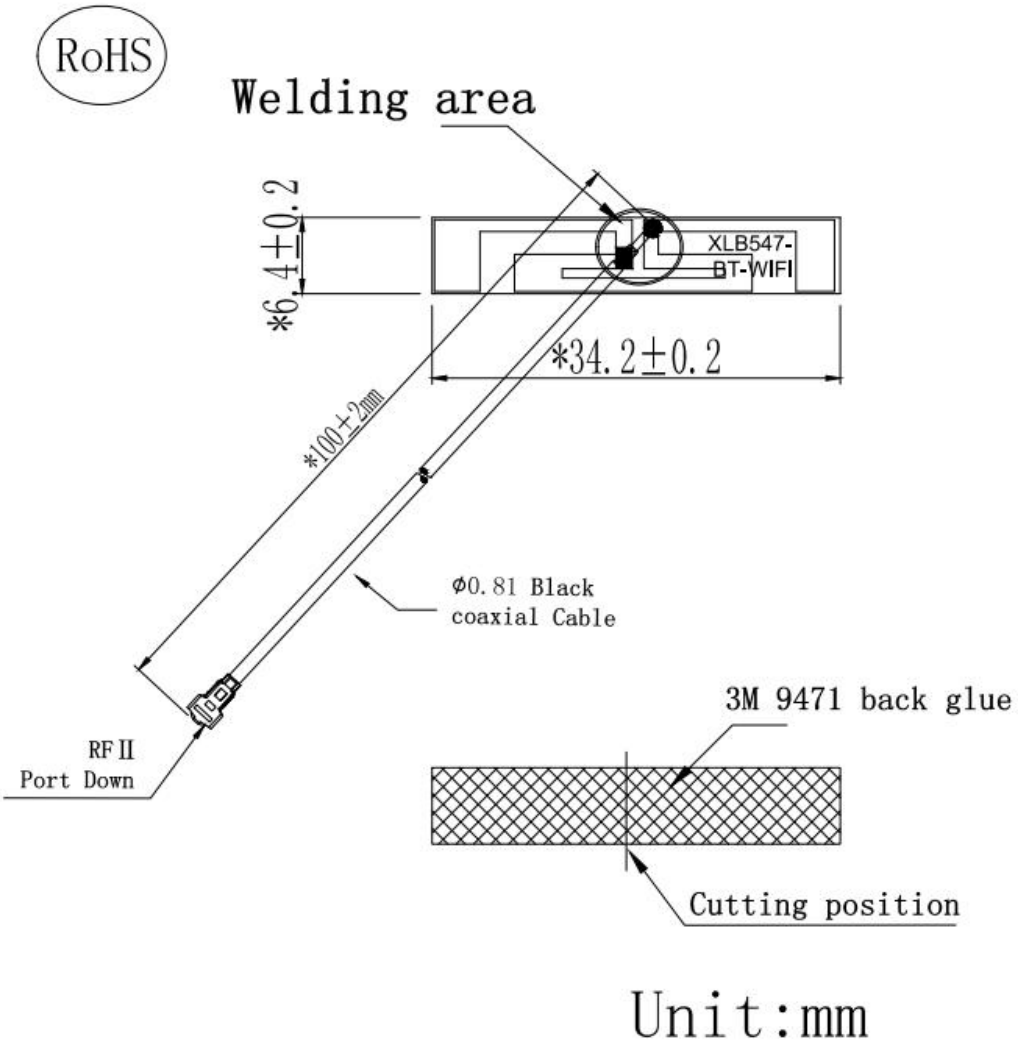
7. Engineering drawings

Antenna 2D pattern



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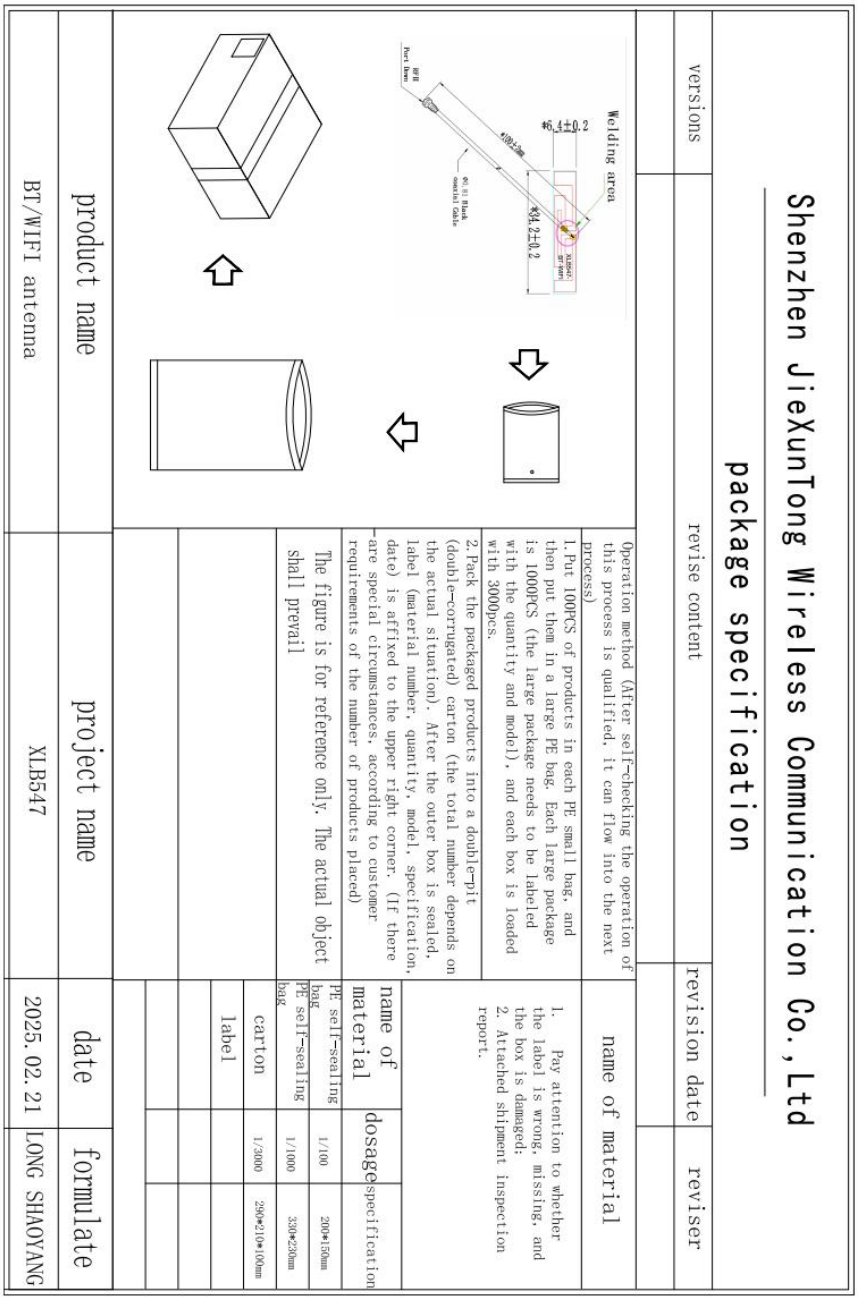
Antenna packaging diagram



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