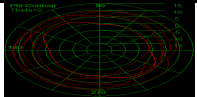
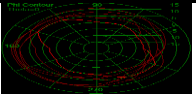
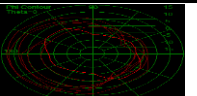
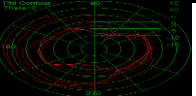
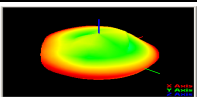
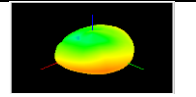
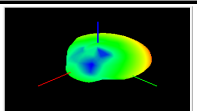
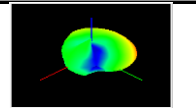


## Antenna Test Report

Manufacture: YILUTAI TECHNOLOGY (JIANGXI) CO., LTD.  
 Taiken Road, Taihe Country Industrial Park, Ji'an City, 343700 Jiangxi, P.R. China

Project name	JR320 BT_ANT	HW version	/
Project phase	DV2	Antenna version	V0.4
Tester	kevin	Test time	20240518

No.	Item	Unit	Sample 1#	Sample 2#	
1	VSWR	\	1.2	1.2	
2	Return loss	dB	-24	-24	
3	Impedance	Ohm	48	48	
4	Bandwidth	MHz	100	100	
5	Isolation	dB	\	\	
6	Efficiency	%	56.5 (avg)	56.6	
7	Peak gain	dBi	1.5	1.5	
8	Efficiency	%	25 (avg)	25 (avg)	
9	Peak gain	dBi	0.9	0.9	
10	Radiation pattern (2D, free space)	\			
11	Radiation pattern (2D, head model)	\			
12	Radiation pattern (3D, free space)	\			
13	Radiation pattern (3D, head model)	\			

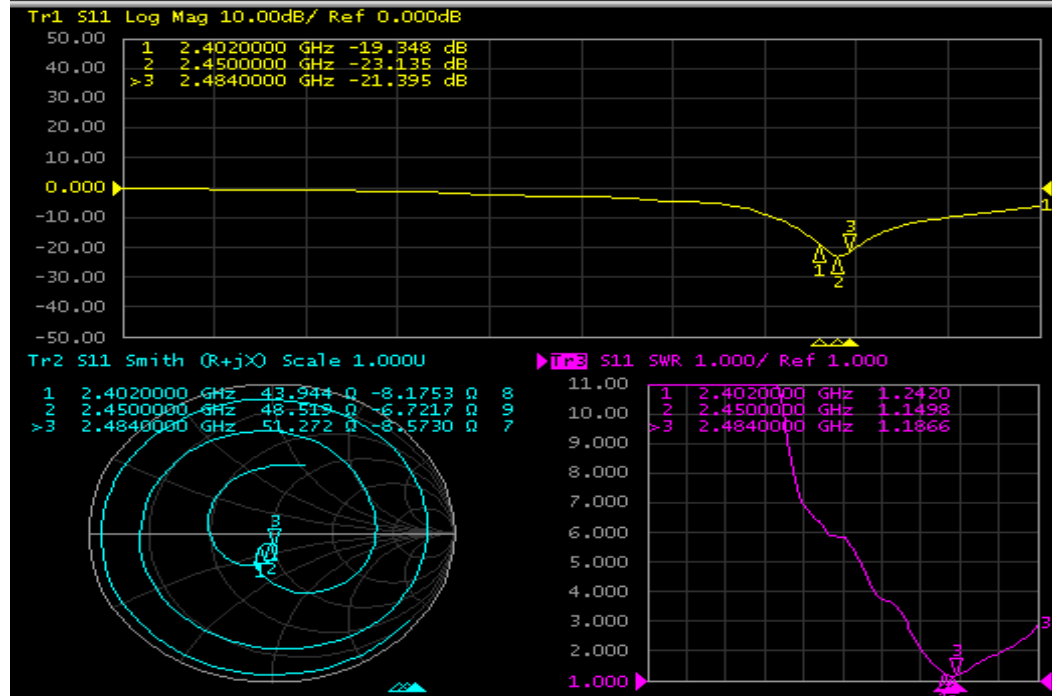
**Sample 1&2 test result**

Antenna image

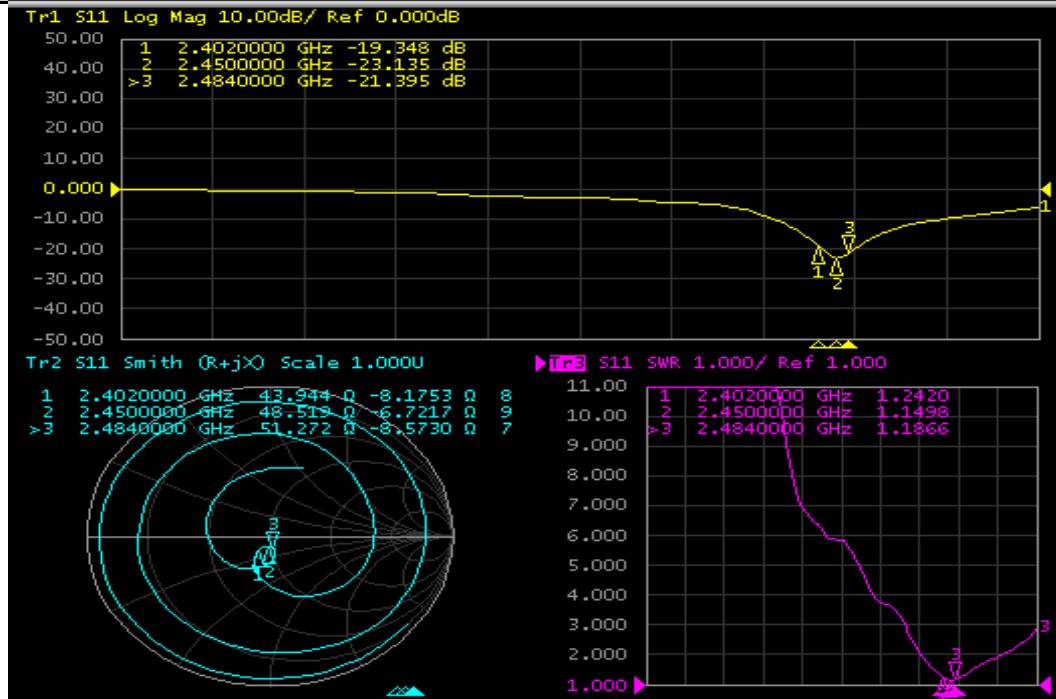
Antenna assembling image

Antenna image	Antenna assembling image

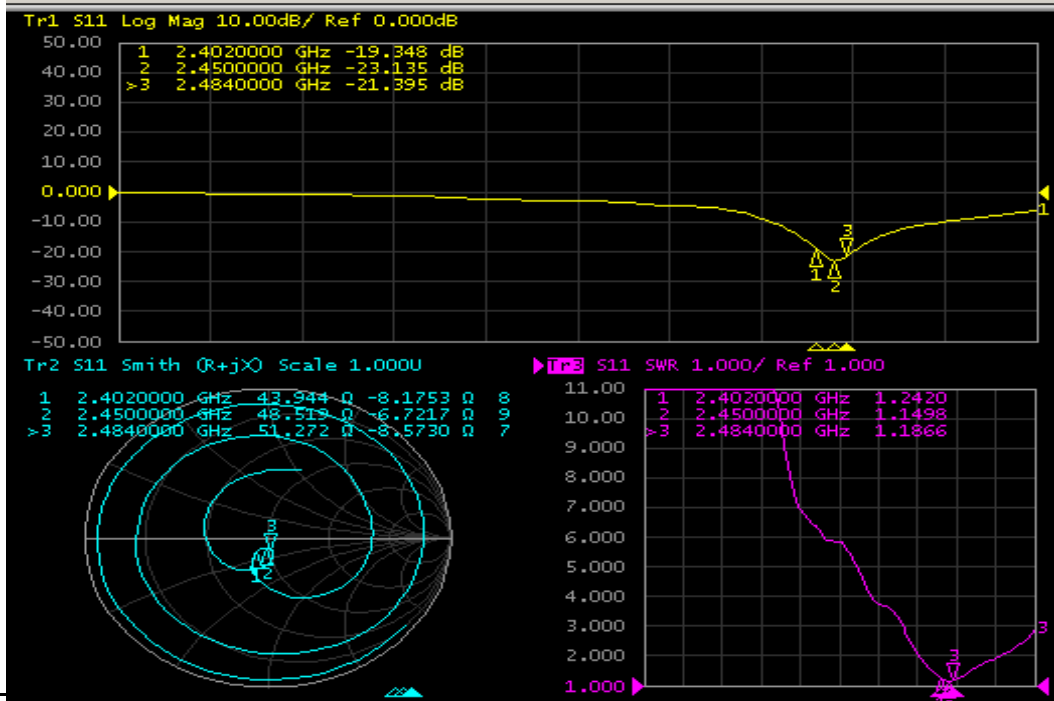
### VSWR figure



### Return loss figure



### Smith figure

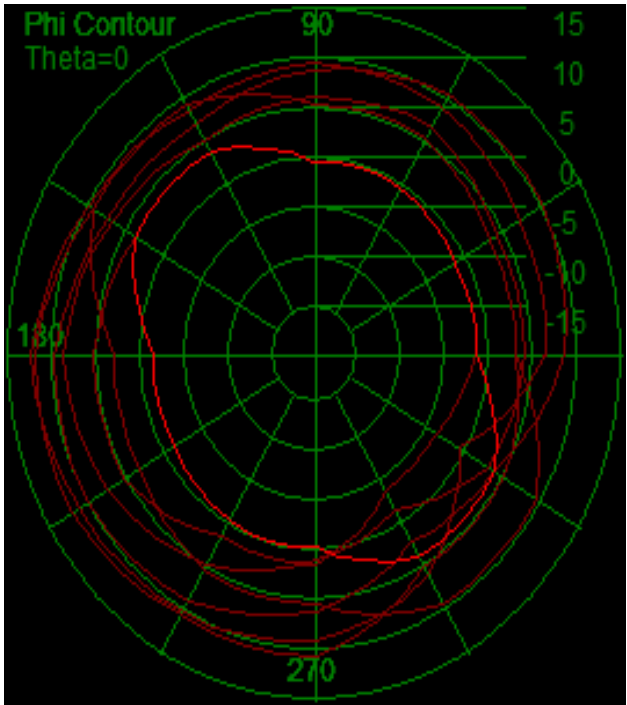


### Efficiency in free space

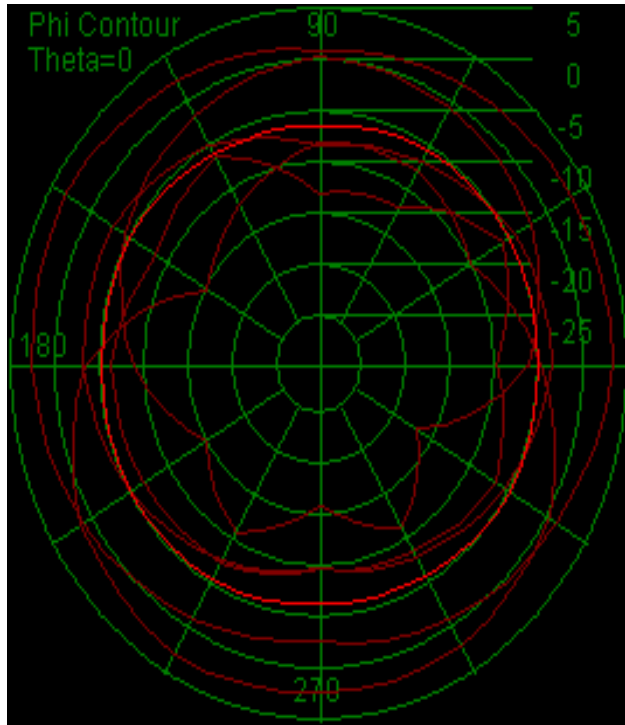
Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	53	1.2
2410	53	1.3
2420	54	1.4
2430	56	1.5
2440	61	1.5
2450	62	1.4
2460	61	1.3
2470	58	1.2
2480	57	1.3
2490	54	1.2
2500	52	1.1

Efficiency on head model		
Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	23	0.7
2410	24	0.7
2420	26	0.6
2430	28	0.8
2440	28	0.9
2450	29	0.9
2460	27	0.7
2470	25	0.6
2480	26	0.7
2490	24	0.6
2500	23	0.6

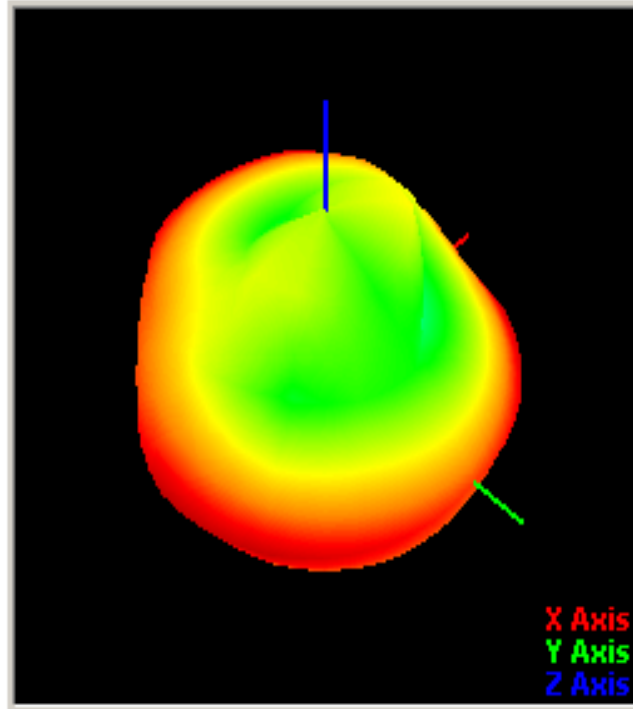
Radiation pattern\_2D in free space



Radiation pattern\_2D on head model



Radiation pattern\_3D in free space



Radiation pattern\_3D on head model

