

Antenna Coding: ANT-BBNCNC24017

Antenna Type: PCB onboard Antenna

Model of the DUT: SE-583RY

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

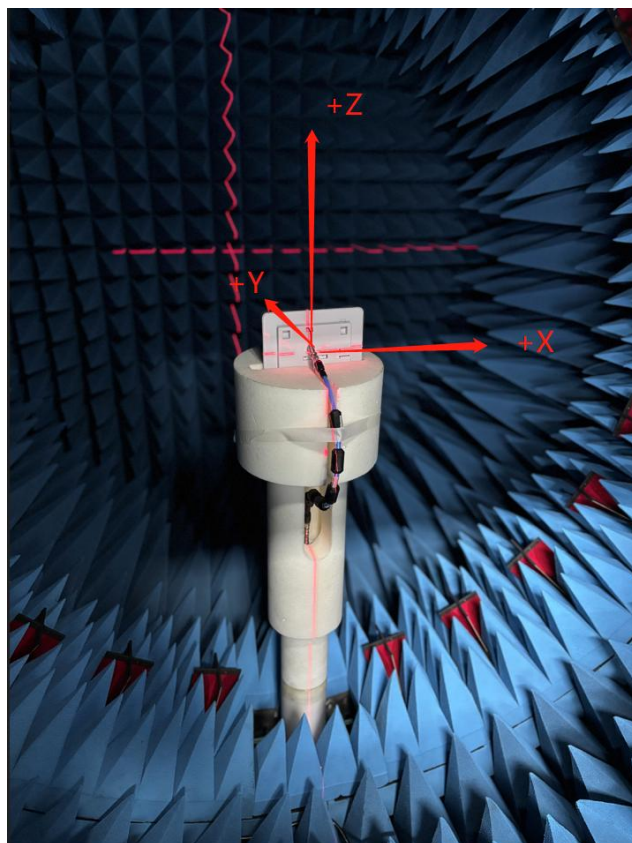
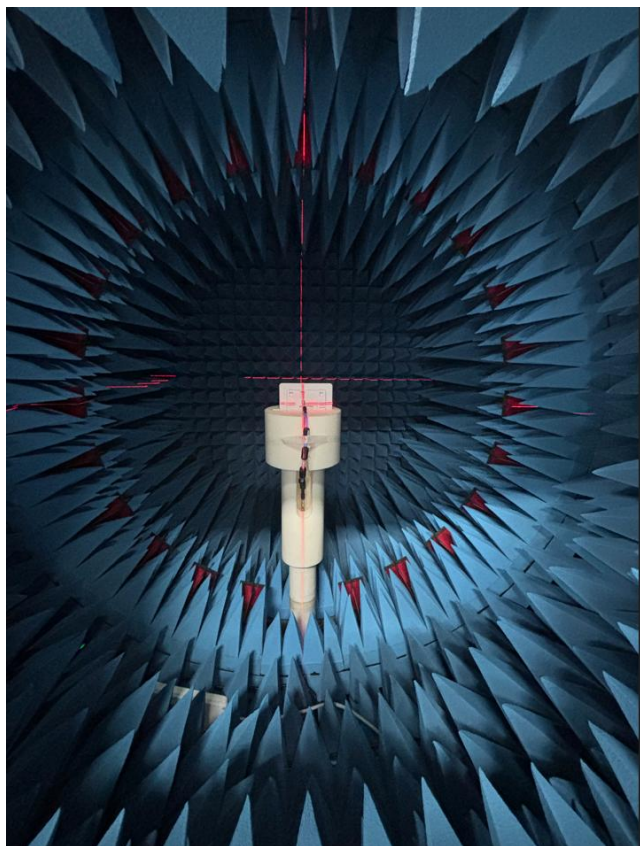
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	1.60
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	19.65*6
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment

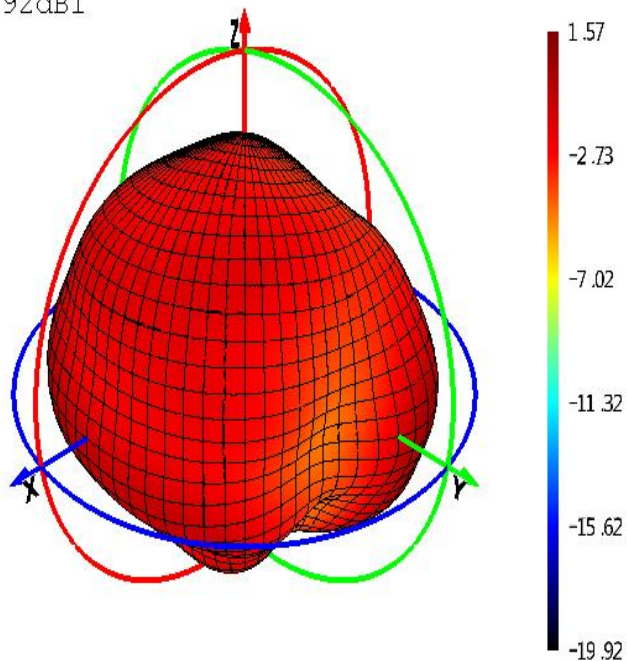


3.2 Gain and Efficiency

Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	1.59	-1.41	72.31
2402	1.57	-1.43	71.87
2404	1.57	-1.44	71.81
2406	1.60	-1.45	71.68
2408	1.59	-1.45	71.57
2410	1.58	-1.46	71.41
2412	1.55	-1.49	71.01
2414	1.54	-1.49	70.91
2416	1.56	-1.50	70.84
2418	1.55	-1.51	70.65
2420	1.53	-1.54	70.20
2422	1.52	-1.56	69.90
2424	1.51	-1.58	69.58
2426	1.46	-1.57	69.73
2428	1.46	-1.58	69.55
2430	1.46	-1.60	69.24
2432	1.49	-1.61	69.09
2434	1.52	-1.63	68.76
2436	1.48	-1.64	68.60
2438	1.51	-1.63	68.64
2440	1.60	-1.62	68.80
2442	1.59	-1.60	69.13
2444	1.59	-1.61	69.03
2446	1.51	-1.64	68.58
2448	1.50	-1.65	68.42
2450	1.50	-1.62	68.86
2452	1.49	-1.62	68.83
2454	1.51	-1.60	69.12
2456	1.49	-1.61	69.03
2458	1.45	-1.64	68.56
2460	1.41	-1.68	67.93
2462	1.39	-1.72	67.36
2464	1.39	-1.72	67.31
2466	1.41	-1.71	67.43
2468	1.40	-1.70	67.54
2470	1.37	-1.73	67.07
2472	1.37	-1.75	66.91
2474	1.34	-1.77	66.54
2476	1.30	-1.78	66.35
2478	1.31	-1.77	66.53
2480	1.31	-1.75	66.76

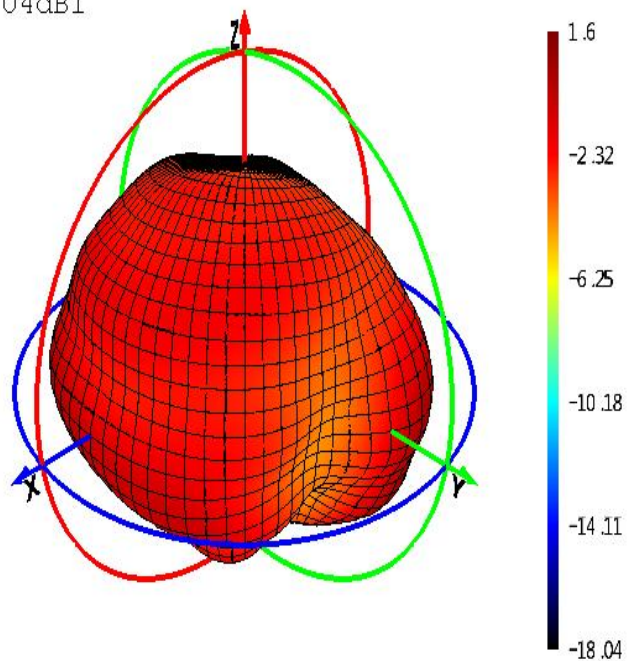
3.3 3D Polar Plot

MAX:1.57dBi
MIN:-19.92dBi



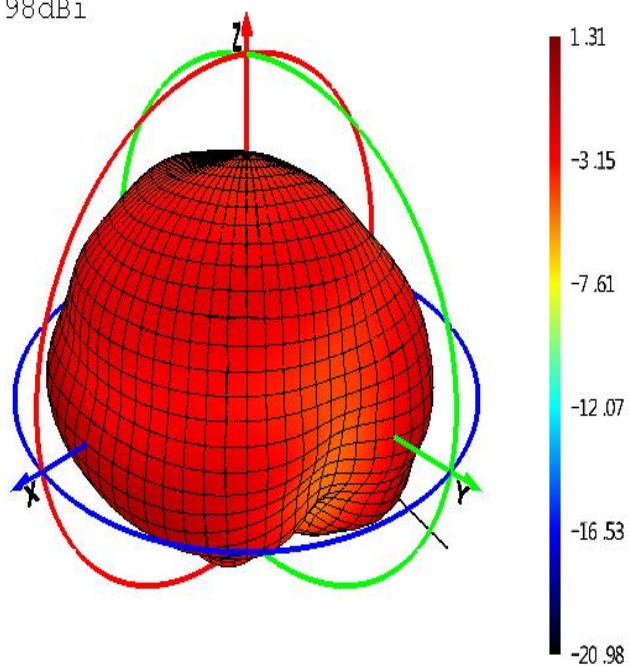
2402MHz

MAX:1.6dBi
MIN:-18.04dBi



2440MHz

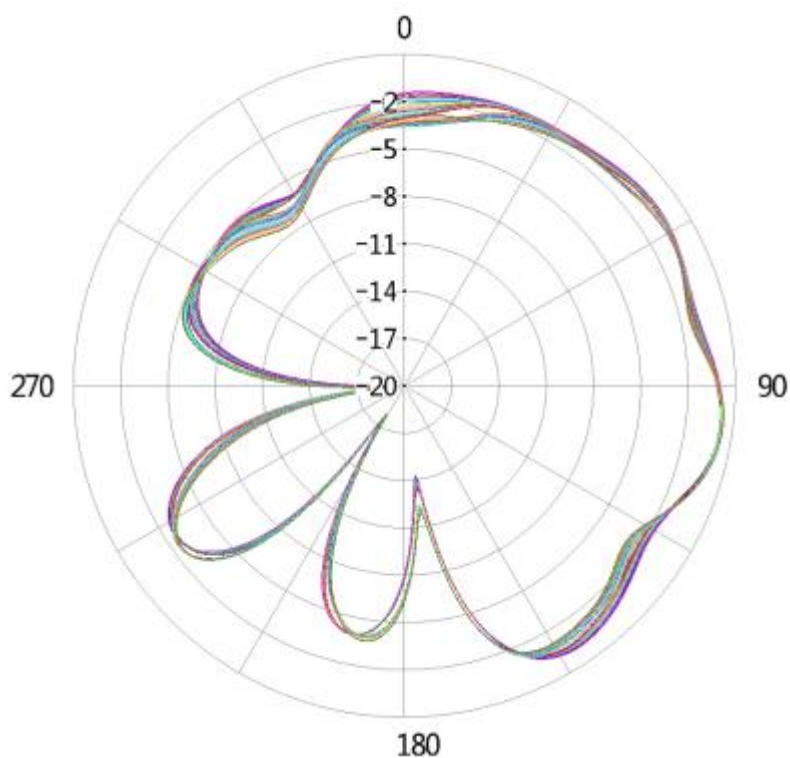
MAX:1.31dBi
MIN:-20.98dBi



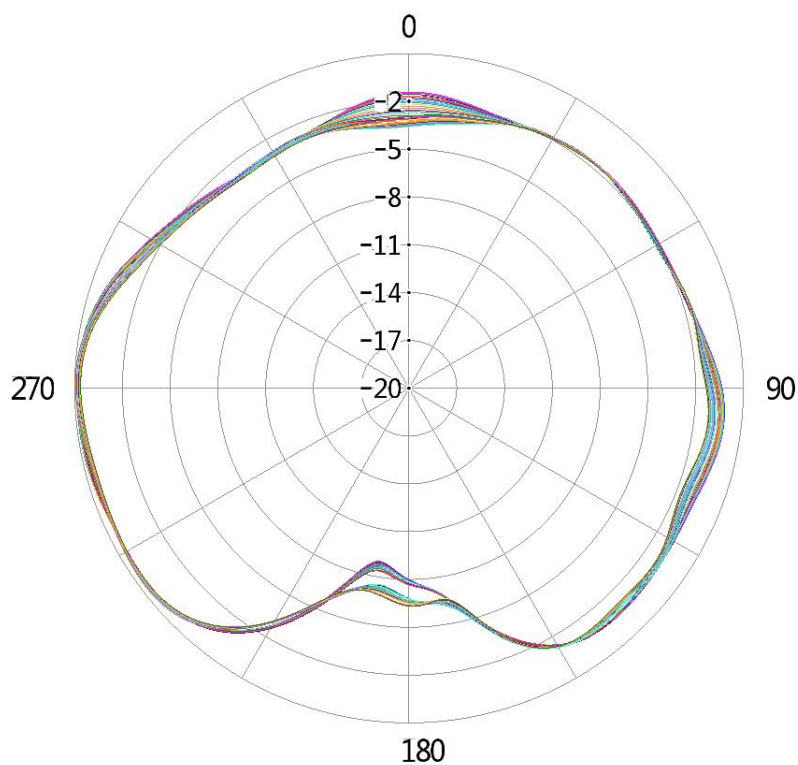
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, $\phi=0$



(2) E2, YZ Plane, $\phi=90^\circ$



(3) H, XY plane, $\theta=90^\circ$

