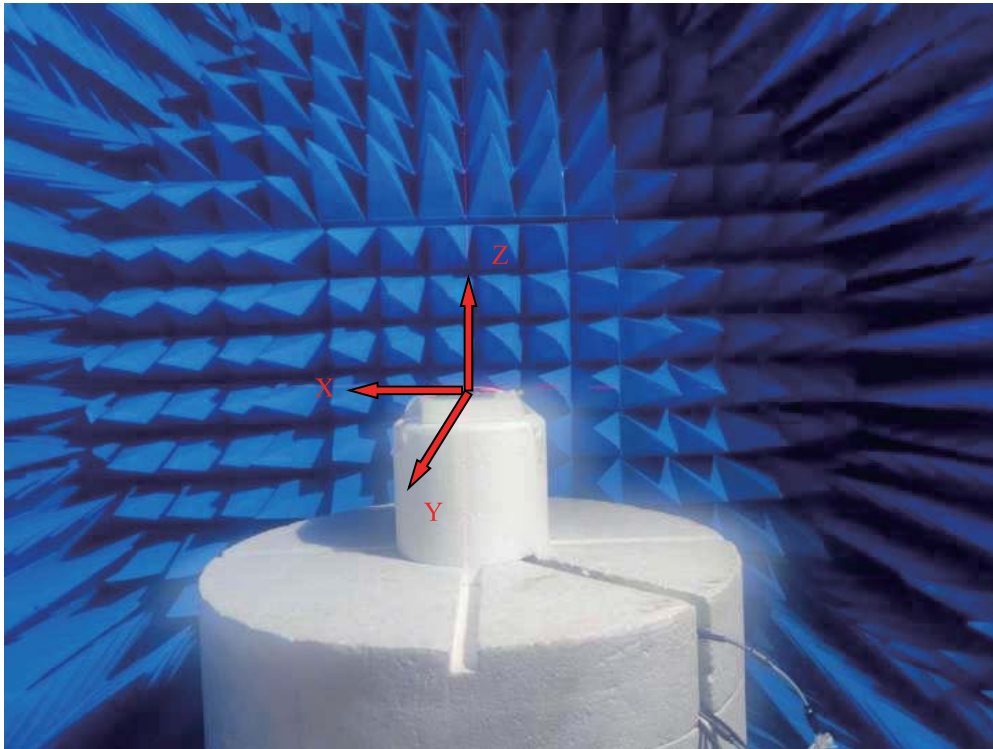


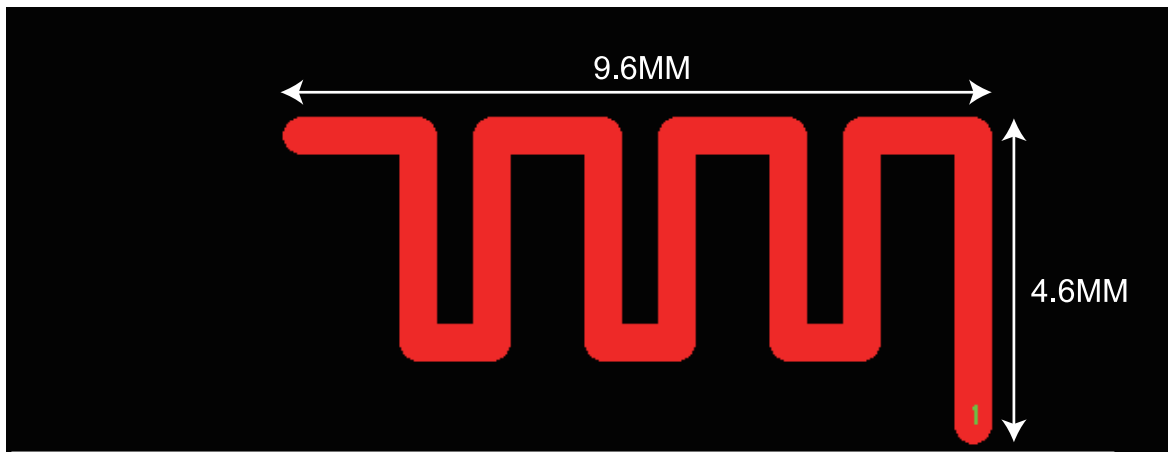
Antena describe

SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	2.499
Average Gain (dBi)	> -4
VSWR	< 3.2
Impedance (Ω)	50 Ω
Antenna Type	PCB
Polarization	Linear
Manufacture	Shen Zhen Bluetrum Technology Co., Ltd.
Address	4068 Qiaoxiang Road, Gaofa Community, Nanshan District, Shenzhen

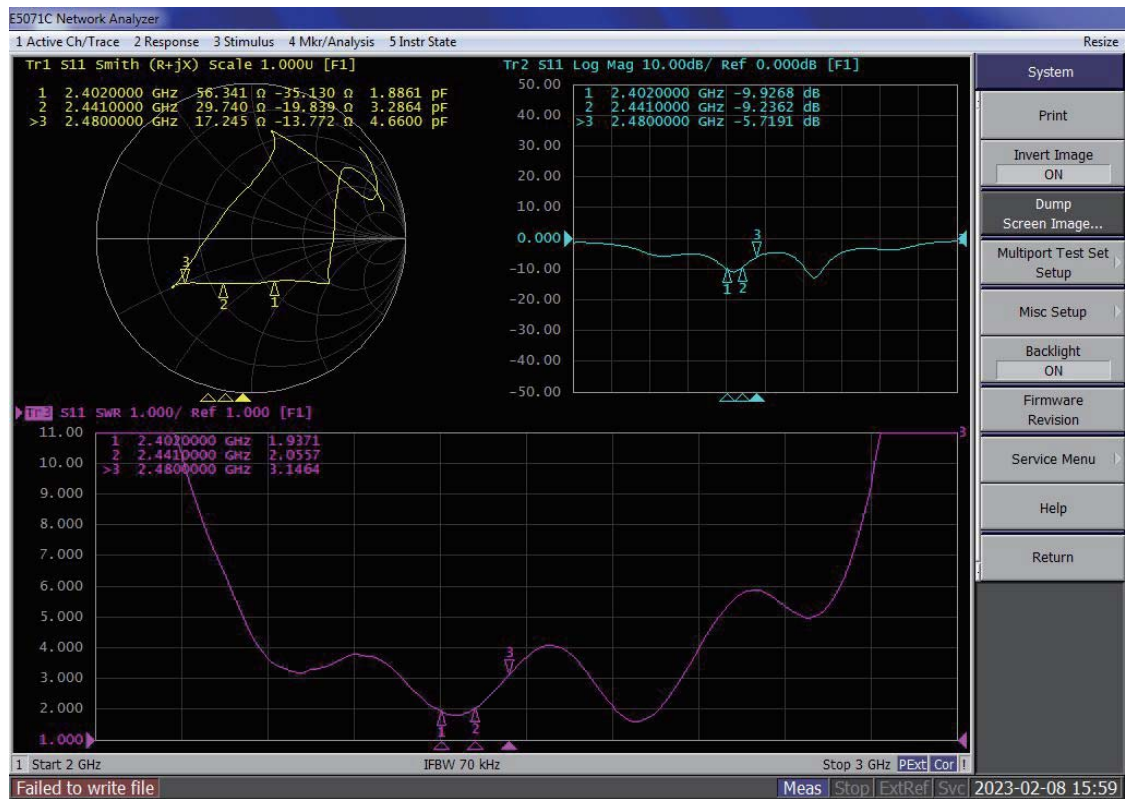
Testing environment: Zhongke Guoji darkroom testing system



Antenna physical and physical dimensions



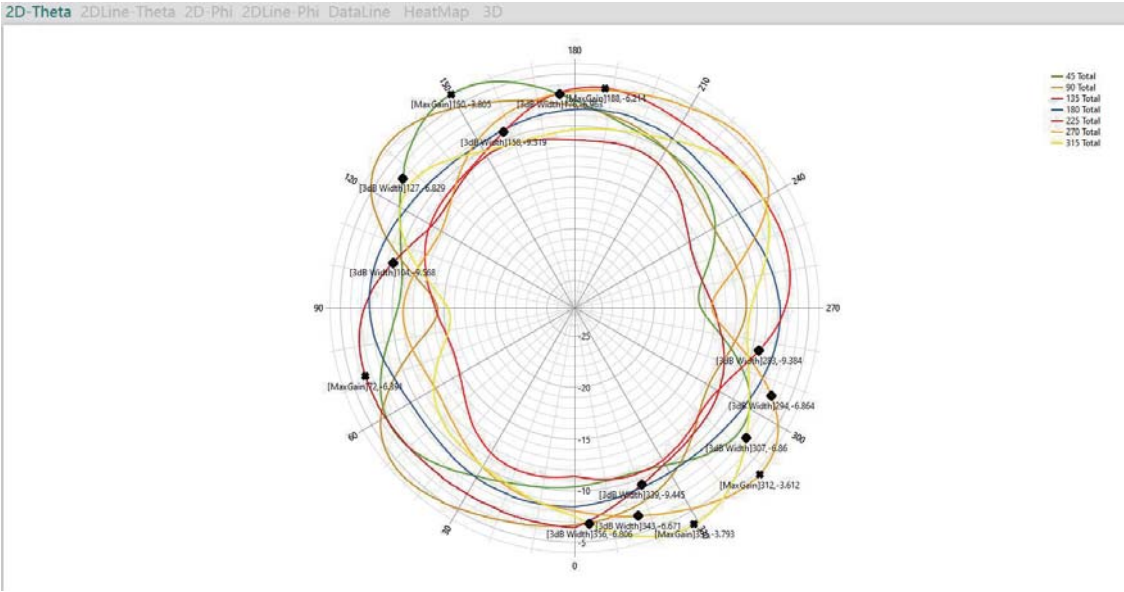
Passive S parameters of antenna:



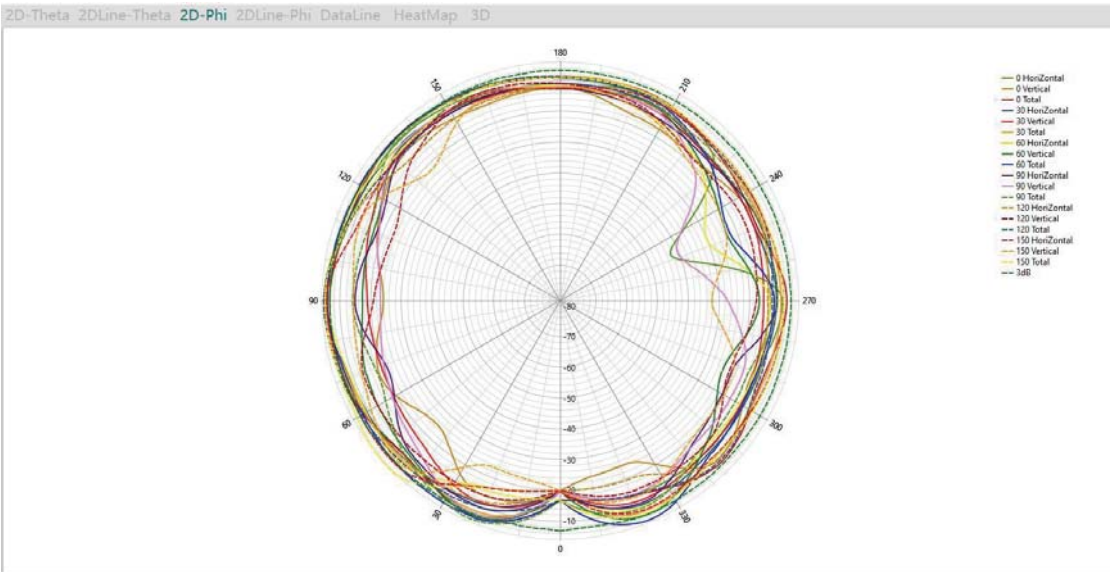
Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)	AverageGain (dBi)	Efficiency (dB)
2400	1.433	59.329%	- 2.717	- 2.267
2410	0.927	51.861%	- 3.416	- 2.852
2420	0.829	52.112%	- 3.166	- 2.831
2430	0.881	49.299%	- 3.258	- 3.072
2440	1.192	50.672%	- 3.144	- 2.952
2450	1.688	53.067%	- 2.735	- 2.752
2460	2.194	59.423%	- 2.276	- 2.260
2470	2.118	56.680%	- 2.438	- 2.466
2480	2.499	61.727%	- 2.112	- 2.095
Average	1.529	54.908%	- 2.806	- 2.616
Peak	2.499	61.727%	- 2.112	- 2.095

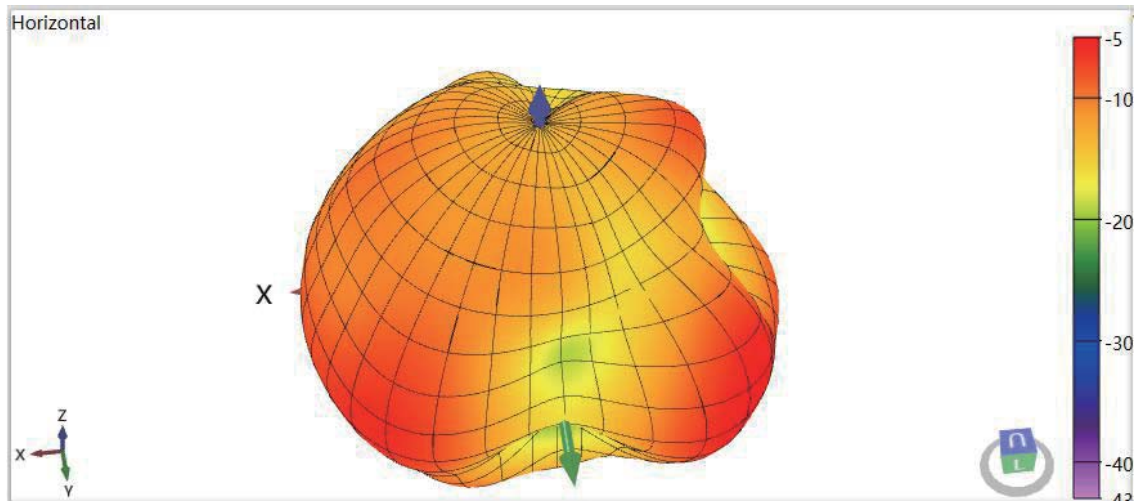
2440MHz 2D-Theta Pattern



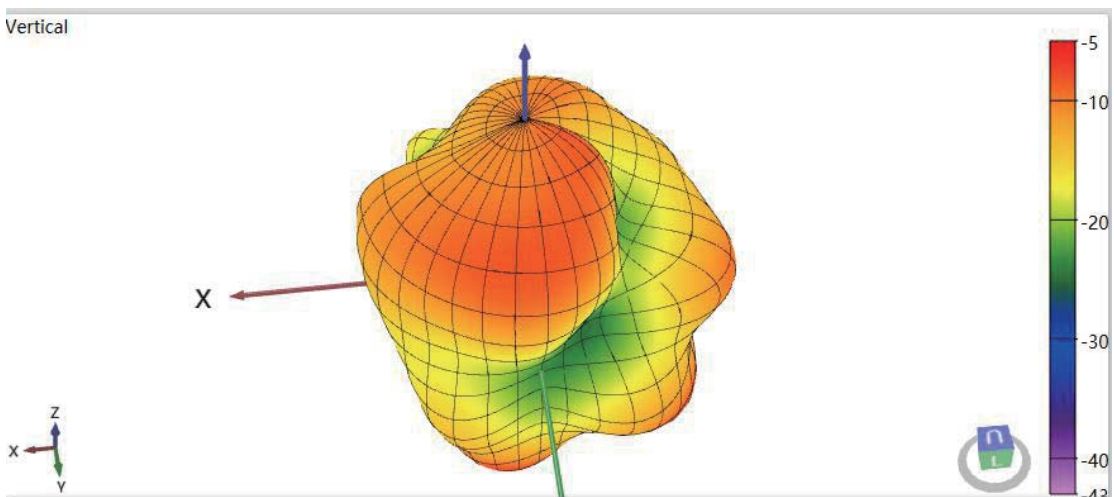
2440MHz 2D-Phi Pattern



2440MHz 3D-Horizontal Pattern



2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern

