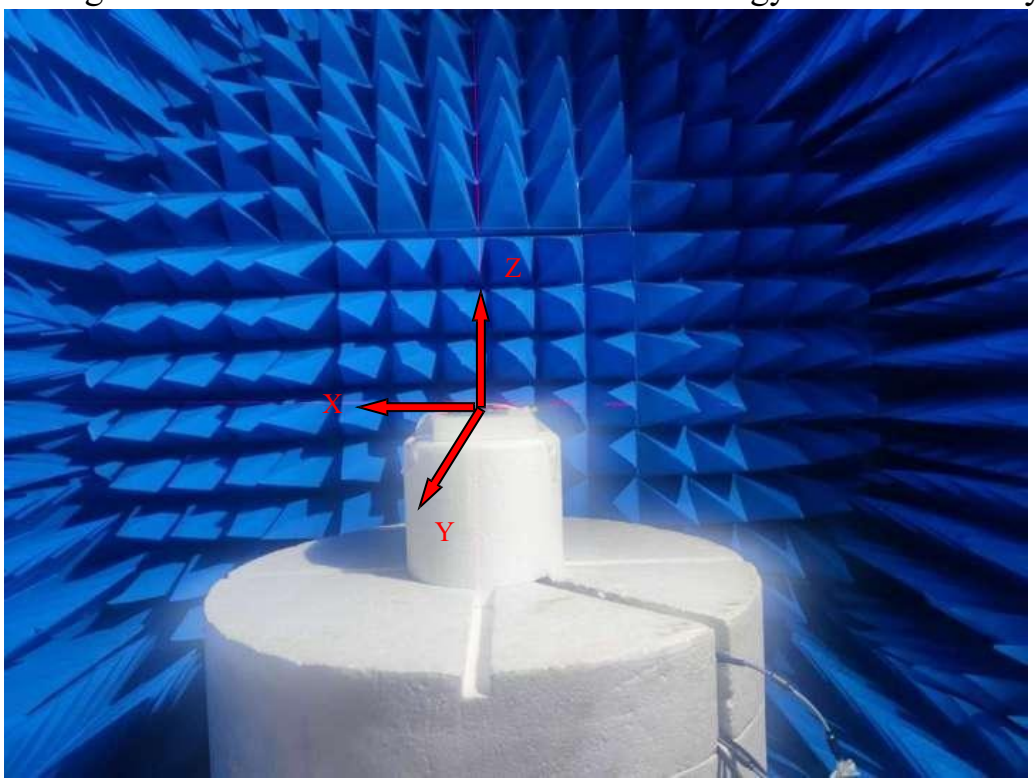
2.4G-2.48G frequency bandOn the pcb boardPIFA Antenna test report

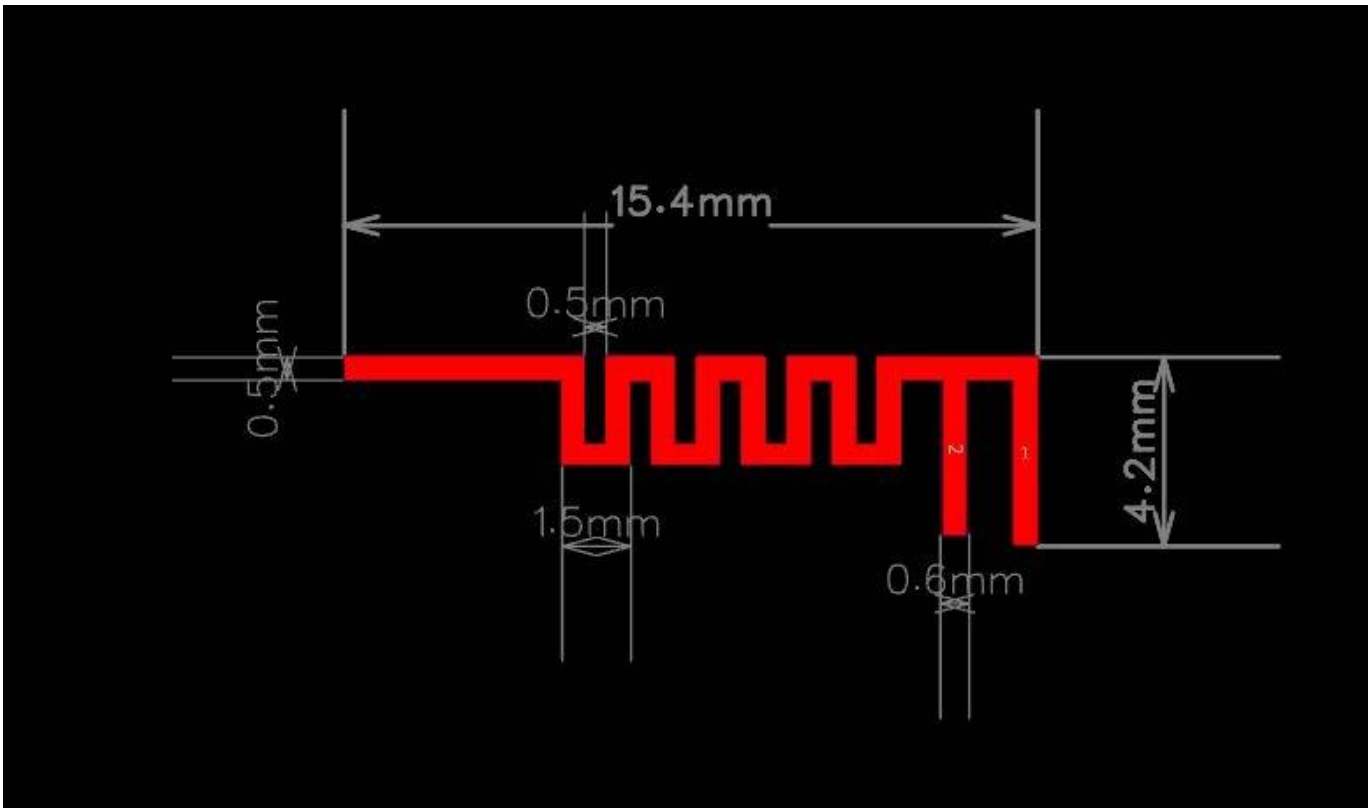
SPECIFICATIONS	
Frequency（MHz）	2400-2480
Peak Gain（dBi）	2.499
Average Gain（dBi）	＞-4
VSWR	＜3.2
Impedance（Ω）	50Ω
Antenna Type	Plannar Inverted F Antenna on board
Polarization	Linear
Manufacturer	SHENZHEN DAYBETTER OPTO-ELECTRONICS CO.,LTD
Address	Floor 4, Building 2, Antuoshan High-tech Park, No.59 Xinsha Road, Shajing Town, Baoan District, Shenzhen

testing environment：China Science and technology darkroom test system



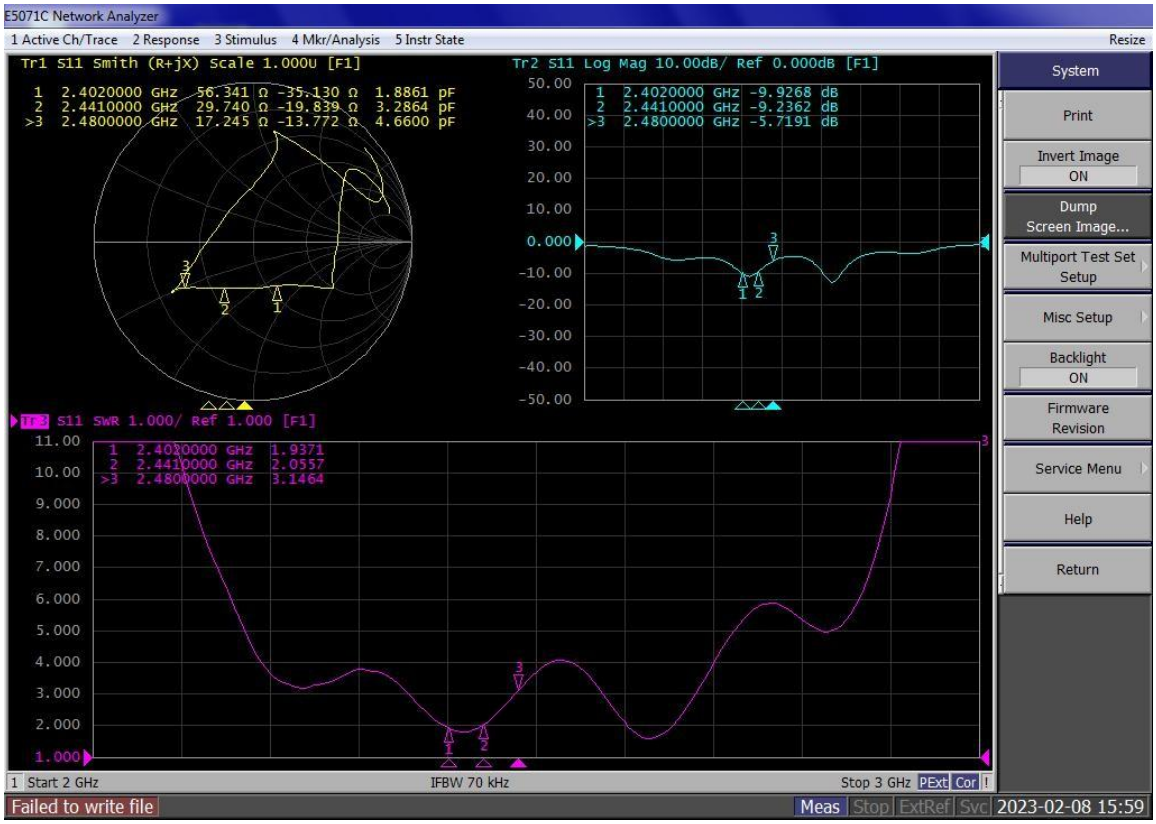
Shenzhen Jitong Electronics Co., Ltd.
Room 705, Building C2, Bantian International Center, Bantian Sub-district, Longgang District, Shenzhen City, Guangdong Province, China

Antenna physical and physical dimensions



Antenna passivity Sparameter：

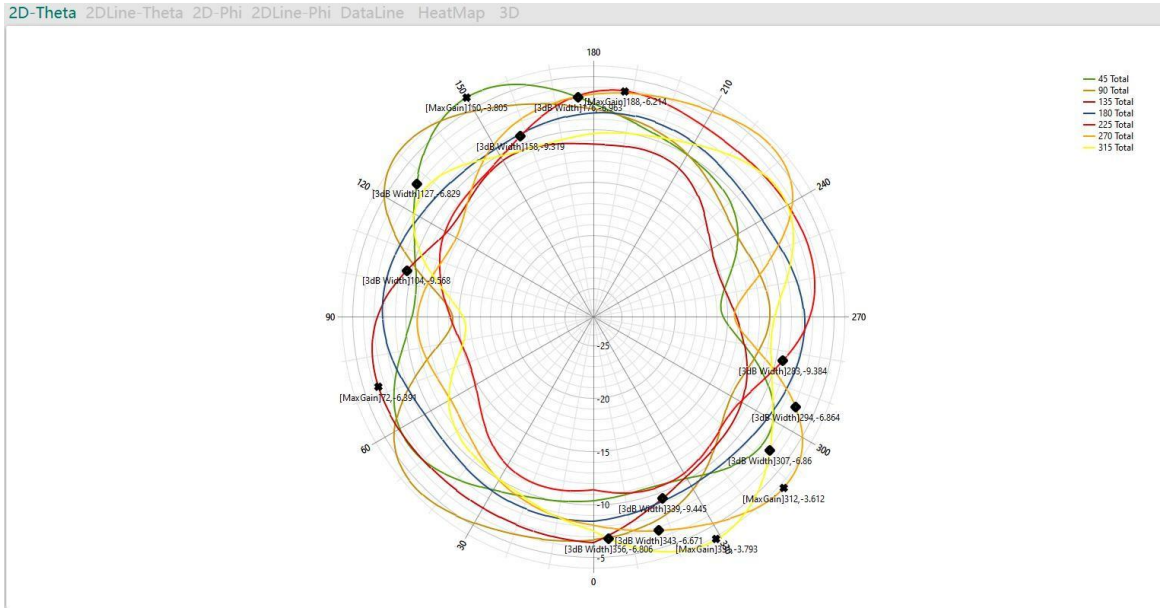
VSWR、Return Loss and smith chart



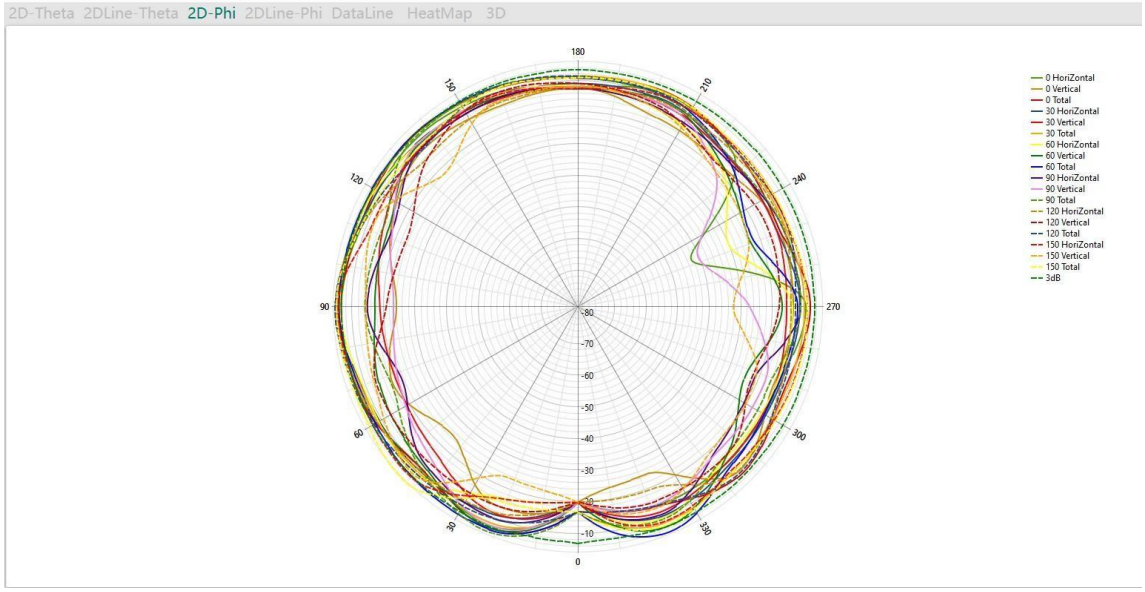
Antenna efficiency and gain

Frequency（MHz）	Gain（dBi）	Effciency（%）	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

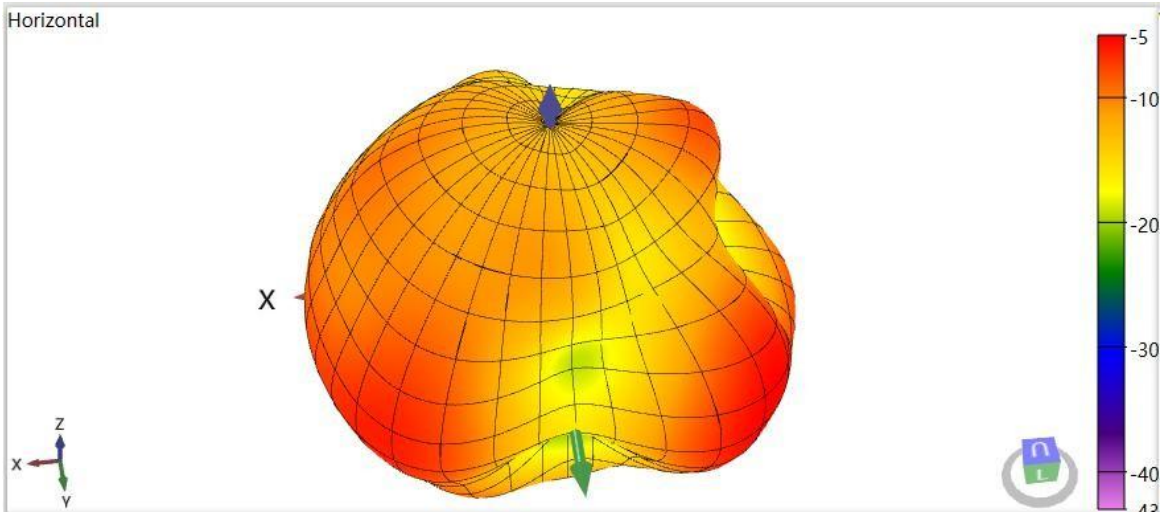
RF 2440MHz 2D-Theta Pattern



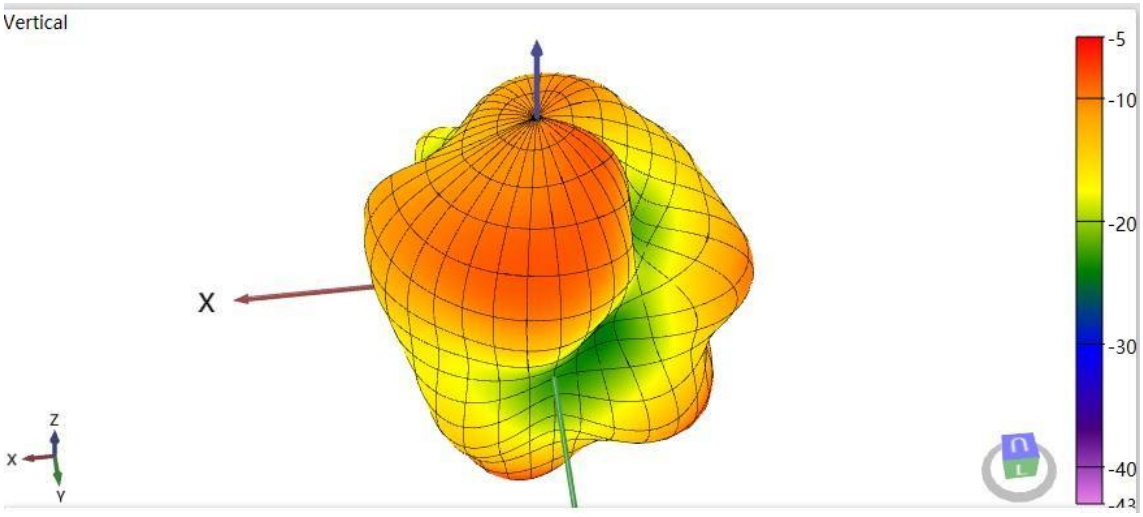
RF 2440MHz 2D-Phi Pattern



RF2440MHz 3D-Horizontal Pattern



RF 2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern