

SPECIFICATION FOR APPROVAL

File No. :240915001

Rev vision: 1.0

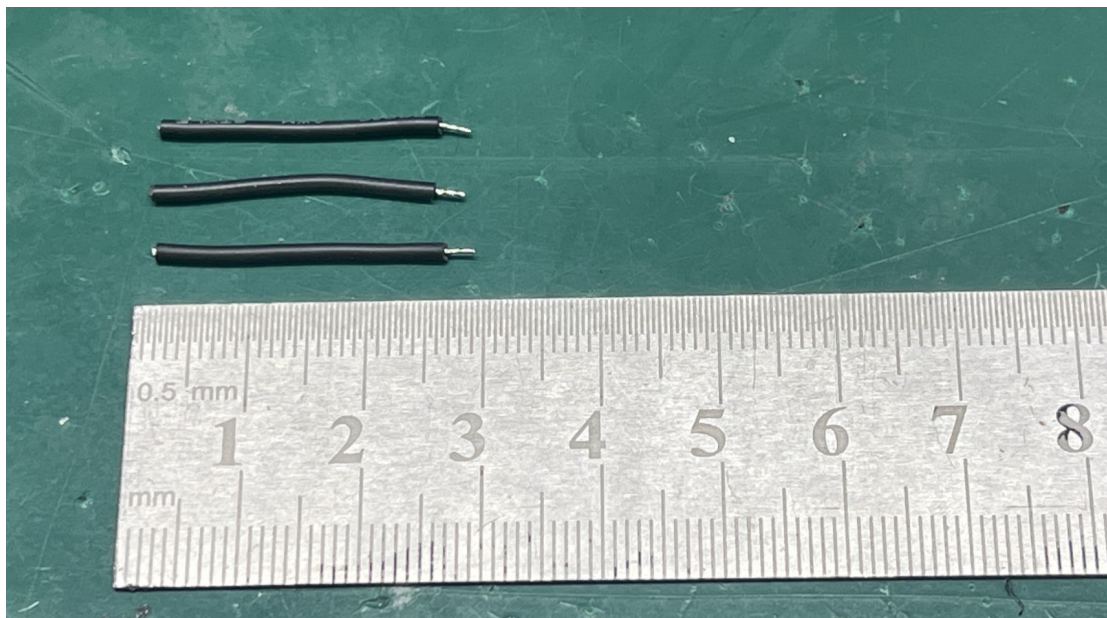
manufacturer: Heifeng Zhizao(Shenzhen)Technology Co.,Ltd

Address: Room 1205, Building 1, Vanke Xingchen Building, Xinqiao Street Bao'an District, Shenzhen, Guangdong, China.

PART NAME: 2.4G Antenna L=30MM

SUPPLIER NO: HF-YDXW L30MM

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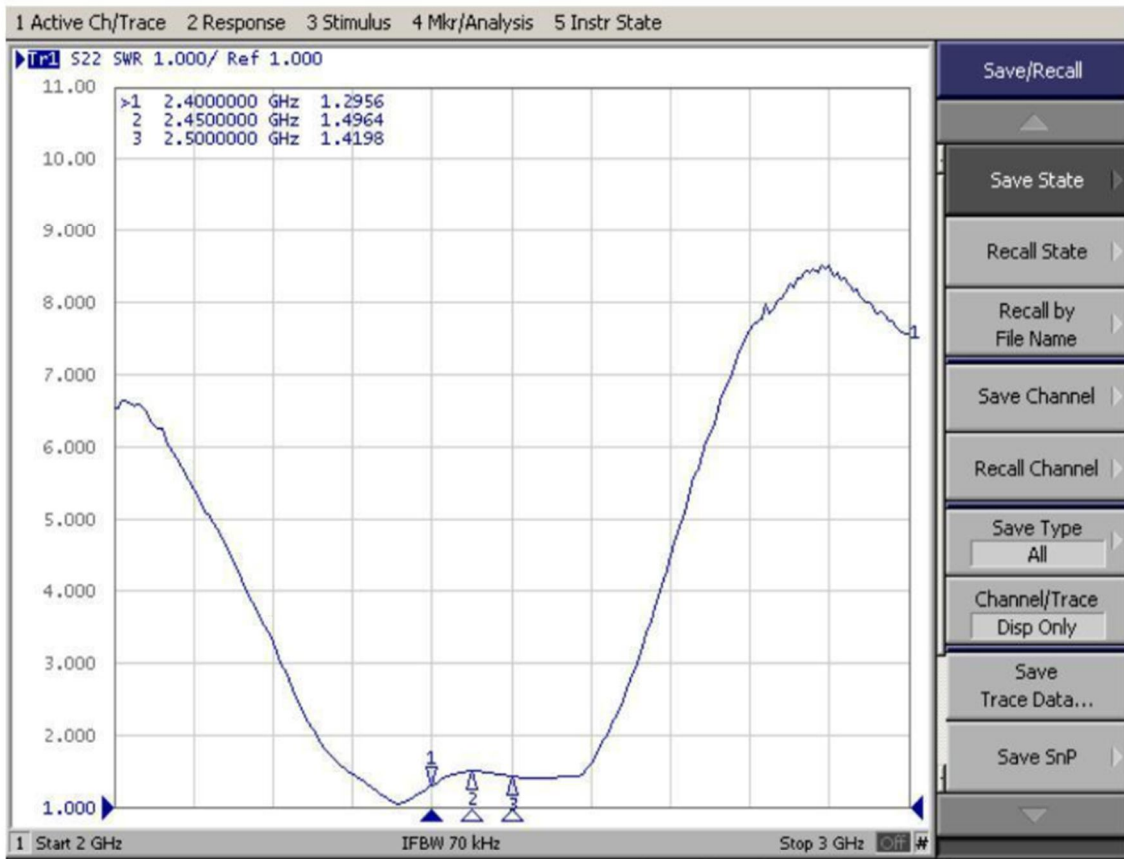
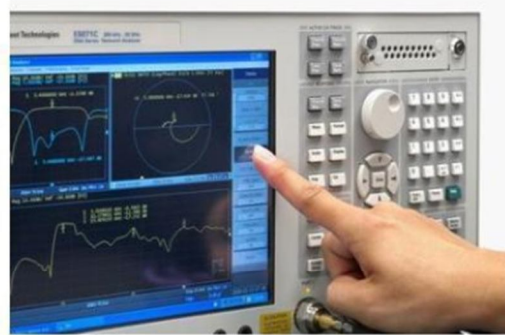


Test Reports

Electrical Properties	
Frequency	2.4GHz
impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain(Peak)	0.12 dBi
Cable Loss	3.2 dB /m Max @ 2450 MHZ
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	
Physical Properties	
Antenna Material	TUBE
Cable Type	Electron-Line_=70mm
Operating Temp.	-10~+60'C
Storage Temp.	-10~+70C
Cable Color	Gray

S Parameter Test

Agilent E5071C

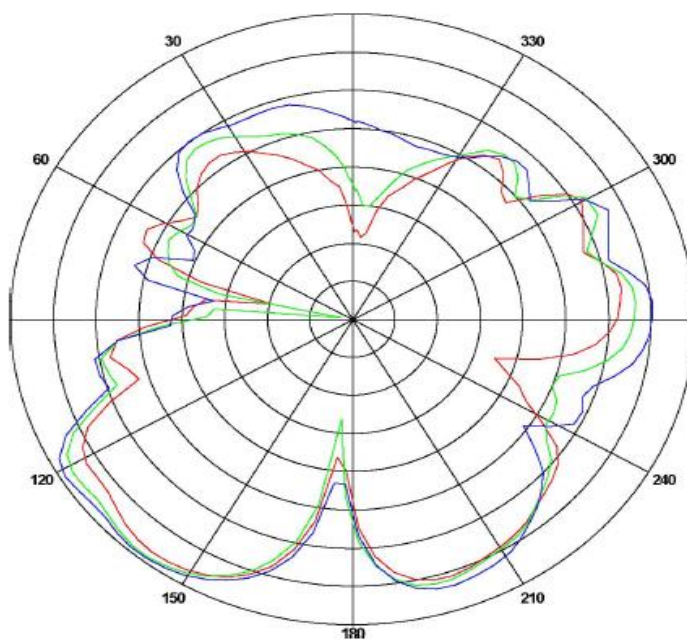


Gain Test

Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

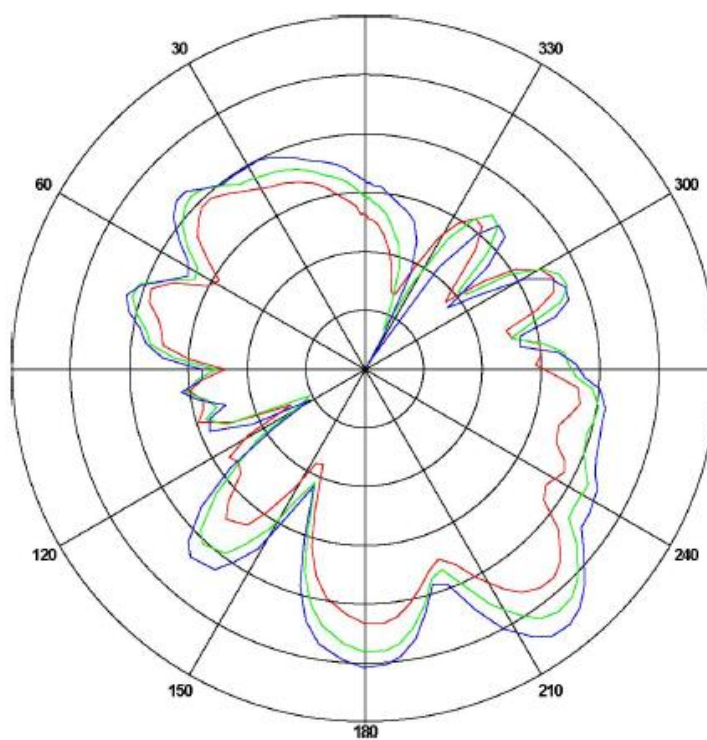
Max: 0 Min: -40 Scale: 5/div



Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0 Min: -30 Scale: 5/div



Passive Test for 2.4G

Frequency (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400.00	35.11	-7.32	-0.38
2410.00	35.07	-8.62	-0.34
2420.00	33.61	-8.32	-0.45
2430.00	31.56	-8.12	-0.87
2440.00	33.07	-8.63	-0.69
2450.00	32.23	-8.61	-0.78
2460.00	35.48	-7.21	-0.12
2470.00	31.85	-8.01	-0.87
2480.00	35.16	-9.03	-0.16
2490.00	32.76	-9.14	0.12
2500.00	34.29	-9.04	0.08