



博流智能
Bouffalo Lab
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BL616C50IQ07P00
Bouffalo Lab
Antenna Report

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1. Antenna Dimension

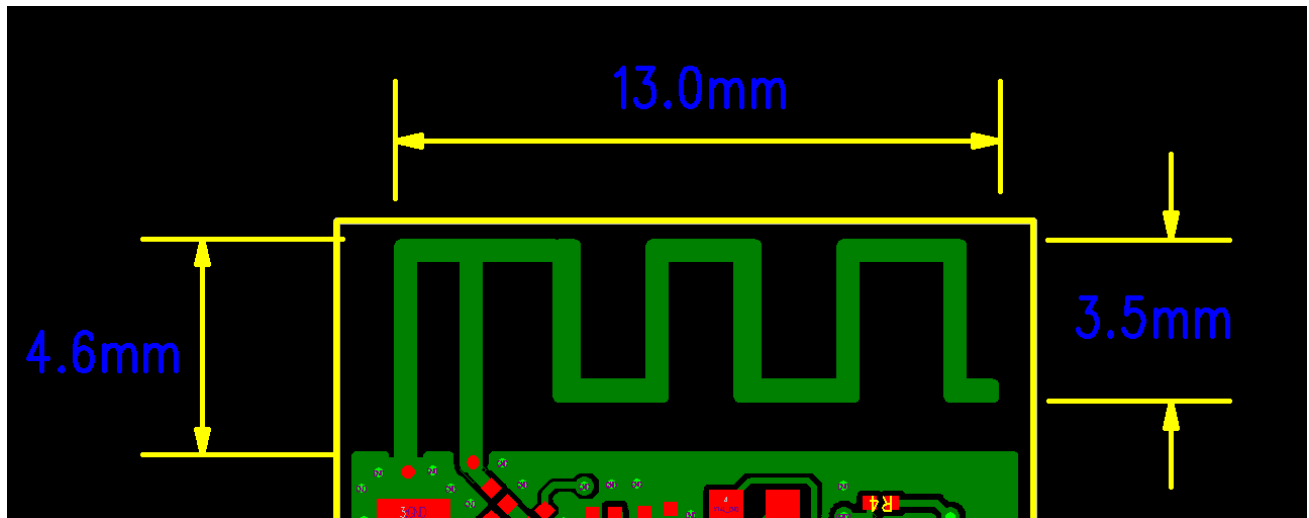


Figure 1. Dimension

2. Characteristics and Parameters

Name	2.4G Antenna
Type	PCB Print Antenna
ELECTRICAL SPECTFICATIONS	
Frequency Range	2400-2500MHz
Band Width	100MHz
Impedance	50Ω
VSWR	< 2.1
Max Gain	1.67dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W
MECHANICAL SPECTFICATIONS	
Connector	Welding type
Working Temperature	-40°C - + 105°C
Limit Temperature	-40°C - + 125°C

3. Performance and Specifications

3.1 VSWR

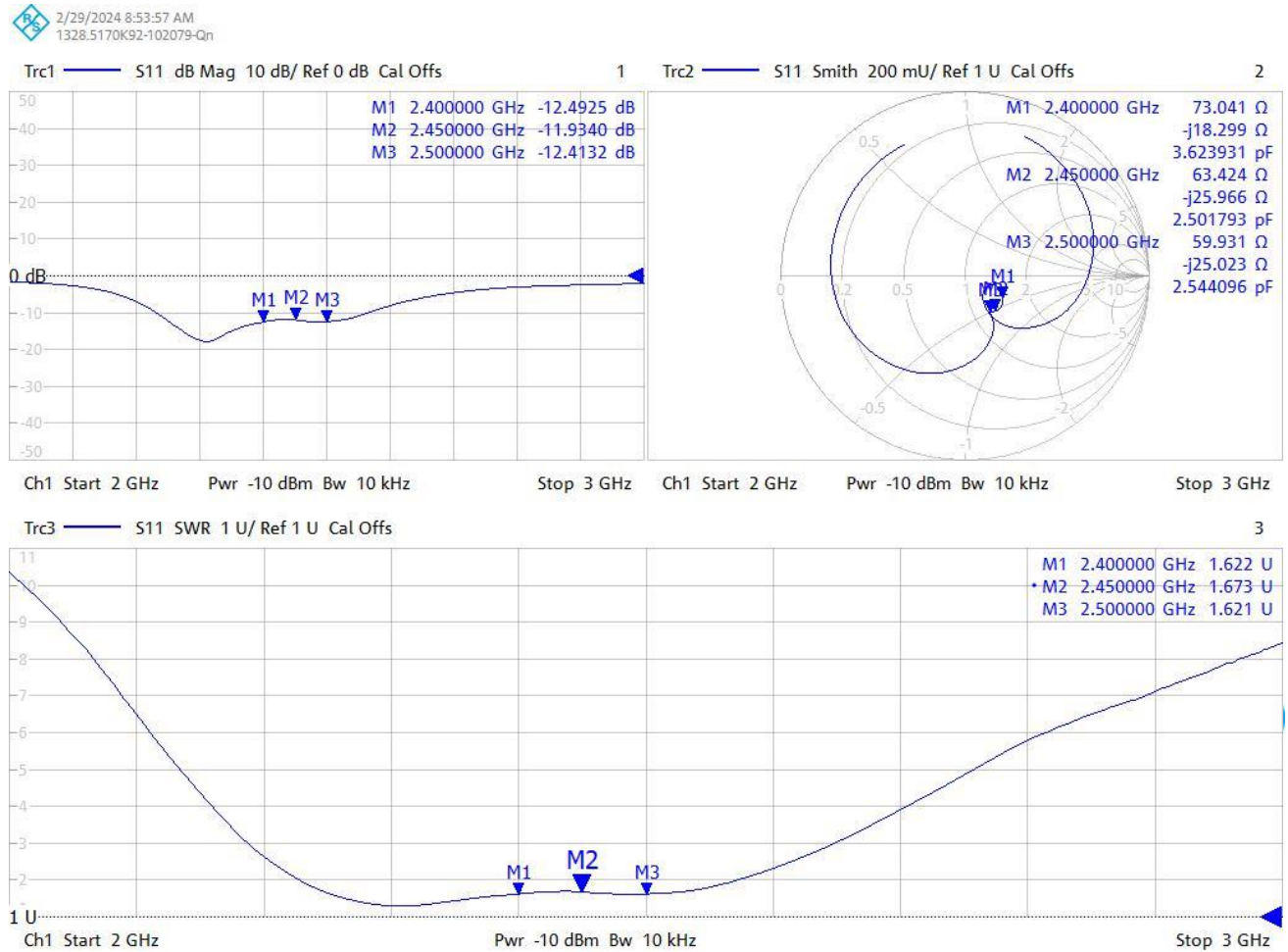


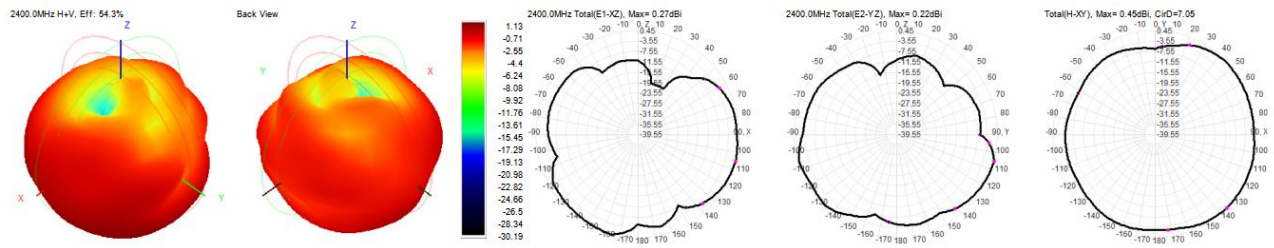
Figure 2. VSWR

3.2 Gain and Efficiency

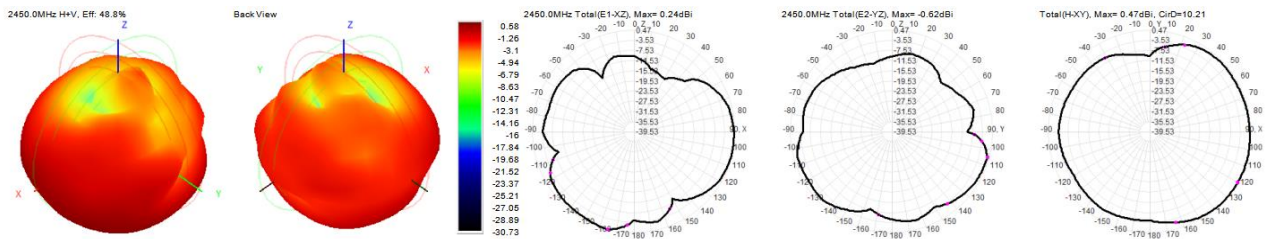
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.21	1.47	1.54	1.55	1.3	1.48	1.29	1.36	1.63	1.67	1.46
Efficiency (%)	54.3	52.24	51.29	50.40	49.07	48.85	47.16	45.35	43.87	43.65	42.47

3.3 Radiation Pattern

2400MHz



2450MHz



2500MHz

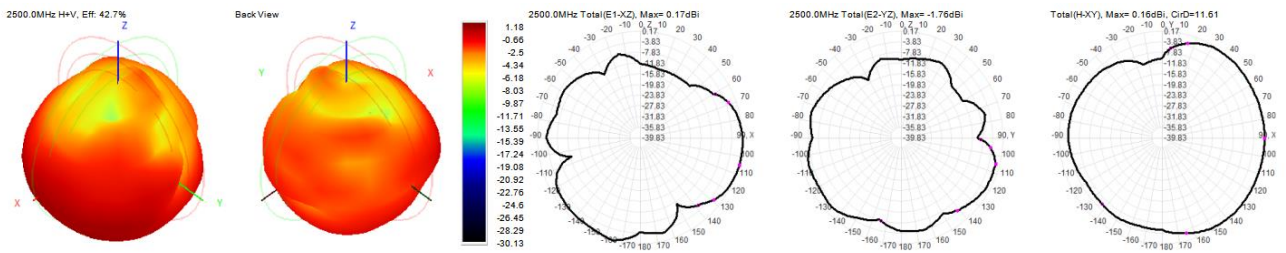


Figure 3. Radiation Pattern