

ShenZhen Huaxinwei communication technology Co.,Ltd.

Antenna Specification

The name of the customer: Kinglumi Co., Ltd

The name of the project: Gateway

Antenna bands: 2.4GHZ (2.400-2.4835 GHz)

Date: 2024-07-16

RF engineer:	Kai jiang	ME engineer:	Shunsheng Zhu	Audit:	Junxian Li
Customer confirmation:		Customer Audits:			

catalogue

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1、 (Test items and equipment)

	(Test items)	(Equipment section)
(S-parameter)	① (Return Loss) ② (VSWR)	(network analyzer) : Agilent E5071B HP 8753D
(Active)	① (TRP) ② (TIS) ③Comprehensive test instrument	① (darkroom) : ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber ②Comprehensive test instrument: Agilent 8960 E5515B ×2 StarPoint SP6011 CMW500 CMW200
(Passive)	① (Gain) ② (Efficiency)	① (darkroom) : ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber ②network analyzer: Agilent E5071B HP 8753D



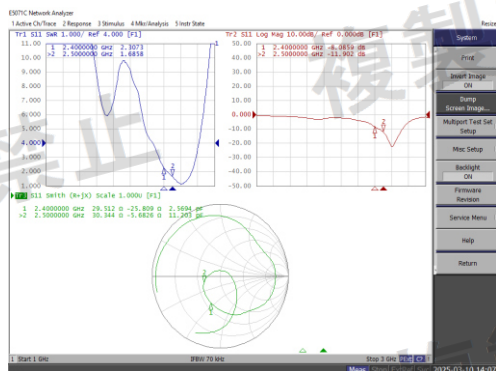
2, (Description of matching circuit)

(No change is made according to the original matching circuit)

antenna (Gain) 、 (Efficiency)

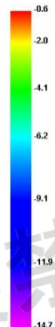
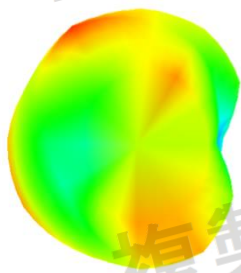
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	48.3	-3.16	-0.59
2410	48.93	-3.1	-0.67
2420	49.16	-3.08	-0.77
2430	47.19	-3.26	-0.83
2440	45.89	-3.38	-0.81
2450	41.01	-3.87	-1.26
2460	39.39	-4.05	-1.68
2470	37.91	-4.21	-2.07
2480	38.2	-4.18	-2.24
2490	39.85	-4	-2.02
2500	40.73	-3.9	-1.74

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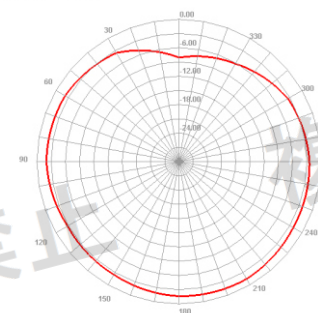


(BT antenna pattern)

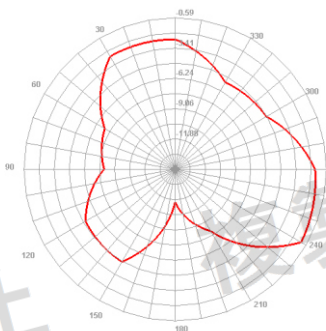
2400.000MHz



2400.000MHz H



2400.000MHz E1



2400.000MHz E2

