

Antenna Specification

Antenna Manufacturer: Shenzhen Tongxun Precision Technology Co., Ltd

Address: 5th floor, No. 52, Xikeng Road, Xikeng community, Fucheng street, Longhua District, Shenzhen China

Antenna Model: KC. IA. 00656

Antenna Type: FPC Antenna

Antenna Gain: 2.4G: 0.92dBi, 5G: 1.55dBi

Frequency Rang: 2400-2500MHz, 5150-5850MHz

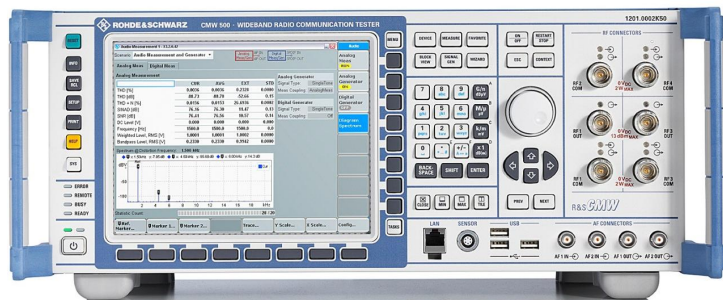
VSWR $\leq$ 2

Impedance: 50 Ω

1. Performance report

1.1 Test Items and Equipment

	Test Items	Test Equipment
S Parameter	1. Return loss 2. VSWR	Network analyzar (Aglient E5071C)
The whole machine of Passive parameters	1. Freqency 2. Gain 3. Radiation Pattem	1.3D microwarve darkroom (4M*3M*3M) 2.Network analyzer
The whole machine of Active parameters	1. TRP 2. TIS	1.3D microwave darkroom (4M*3M*3M) 3. Comprehensive test instrument 4. (CMW500)(E7515E)
Instrument calibration	Once a year, Last calibration: 2024.10.22, Valid until:2025.10.21	



地址：深圳市龙华区福城街道茜坑社区茜坑路 52 号

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电话 (TEL) : 0755-28199597

网址 (WEB) : www.toxutech.com

1.2 VSWR



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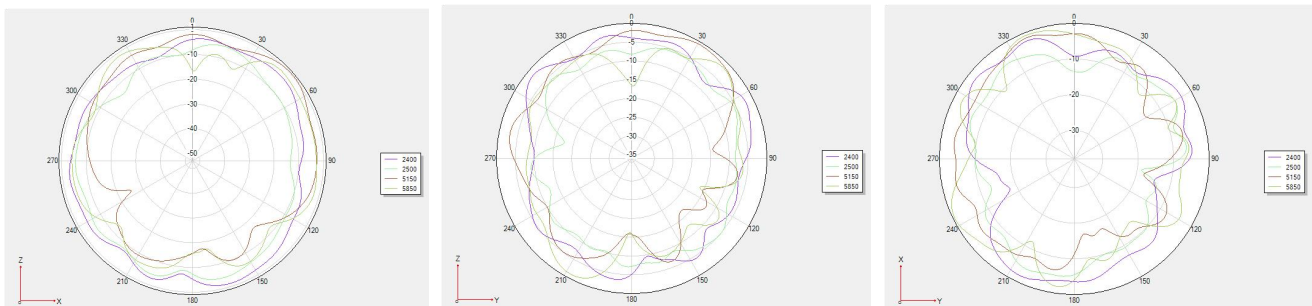
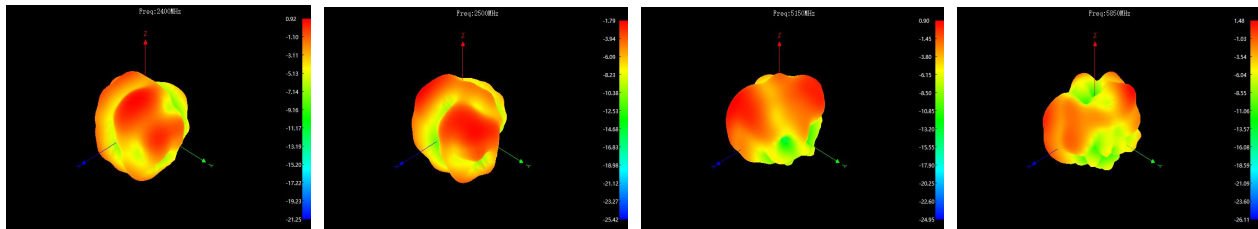
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1.3 Efficiency and Gain

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	0.92	46.99
2410	0.25	45.19
2420	0.41	45.32
2430	0.31	47.29
2440	0.45	48.91
2450	-0.46	44.11
2460	-0.91	43.8
2470	-0.85	42.88
2480	-1.72	42.18
2490	-1.58	42.82
2500	-1.79	42.44

Frequency/Mhz	MaxGain/dBi	Efficiency / %
5150	0.9	45.39
5200	1.28	45.81
5250	1.32	43.35
5300	1.14	41.5
5350	1.26	42.46
5400	1.33	46.34
5450	1.01	45.6
5500	1.29	45.5
5550	1.55	46.13
5600	1.23	43.25
5650	1.12	45.19
5700	1.45	45.81
5750	1.18	45.71
5800	0.64	44.57
5850	1.48	46.45

1.4 3D & 2D Radiation Pattern



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2. Customer Drawing

