



深圳市安特通讯科技有限公司
Shenzhen ANT Communication Technology Co., LTD.

Product specification sheet

customer	虎一	project	WT09
Customer part number	305160014	Part number	ANT652406IB56-01
version	V1. 0	describe	WT09 底座天线, 2. 4G, 尺寸 42*11. 9mm, 同轴线长 L=50mm, 线径 1. 13mm, 一代端子
RF	LIYU	ME	LIZHIEN
technical manager	LIUFENG	date	2024/8/31

customer confirmation	
Does the assembly meet your company's requirements:	<input type="checkbox"/> OK <input type="checkbox"/> NG

1、 Structural drawing file

2. Product specifications and technical parameters:

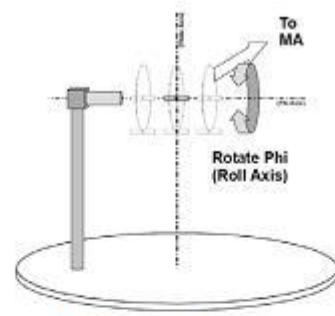
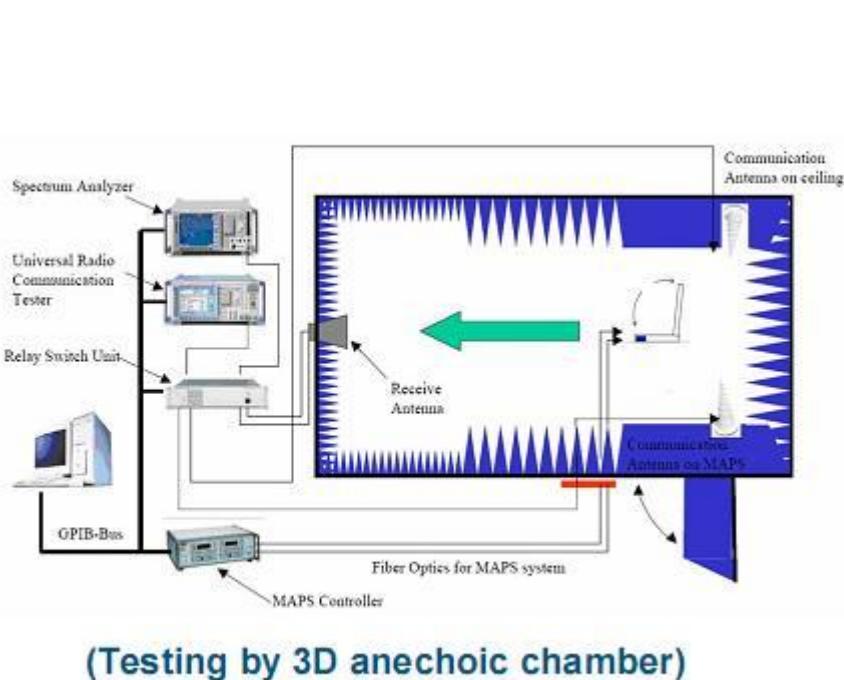
Electrical performance parameters	
Frequency range	2400-2500MHZ
Impedance	50 Ω
standing-wave ratio	≤2.5
Maximum gain	1.5dBi
efficiency	>30%
Polarization mode	vertical
Radiation direction	Omnidirectional
mechanical parameters	
Antenna size	42*11.9MM
Coaxial line type	Φ 1.13
Joint type	一代端子
Salt spray test	24H
Environmental parameters	
operation temperature	-45°C---+85°C

3. Test equipment

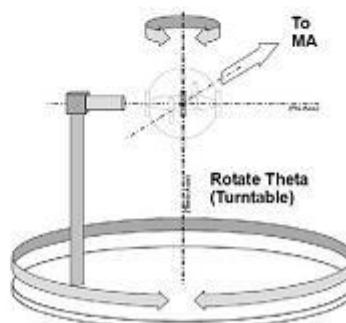
3. 1. Agilent E5071C

3. 2. CMW500 Agilent 8960

3. 3. SATIMO-16 XH-24



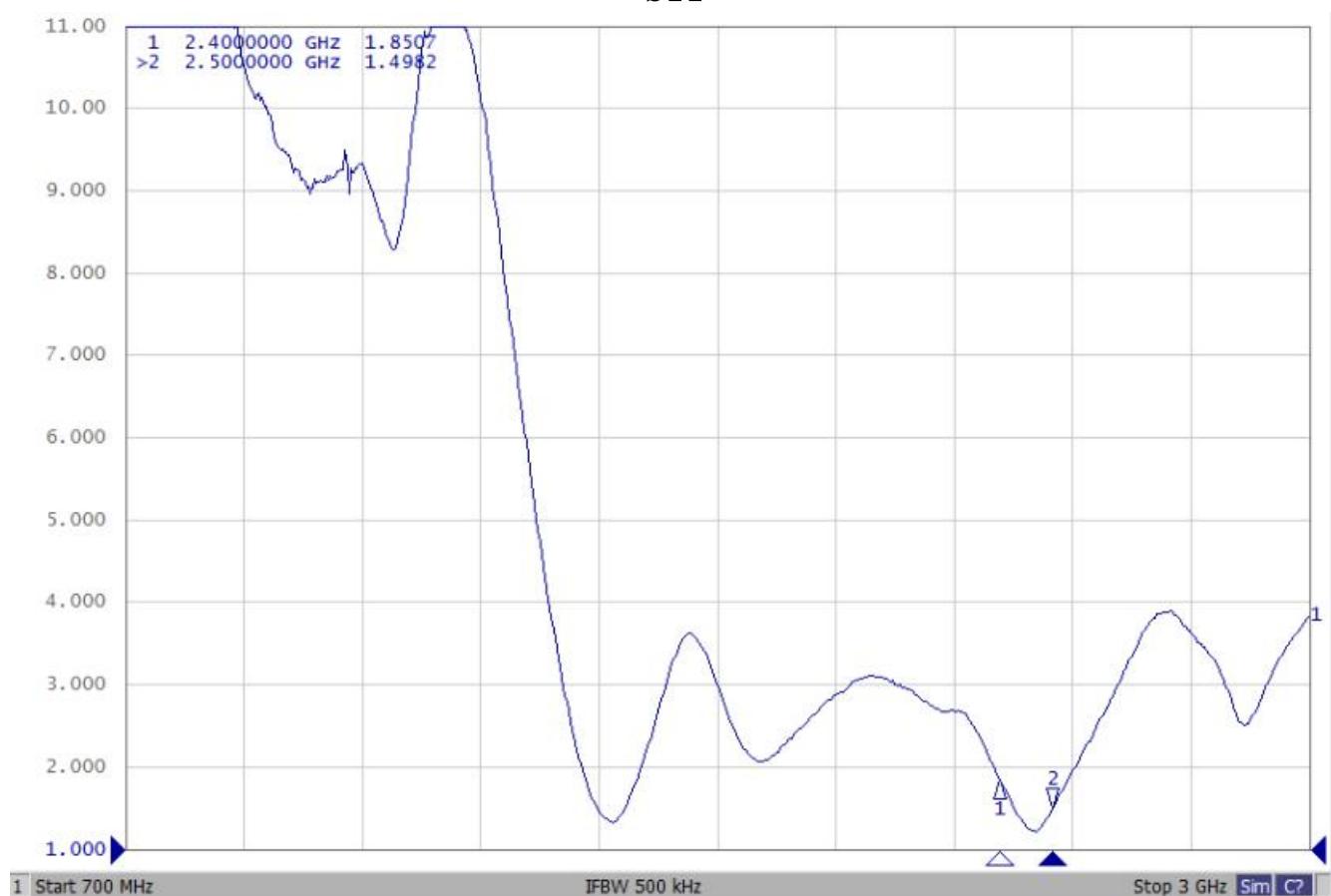
Phi axis test



Theta axis test

4. Antenna testing parameters

S11



Frequency/Mhz	Efficiency/dB	Efficiency/%	MaxGain/dBi
2400	-4.88	32.51	0.44
2410	-4.93	32.14	0.73
2420	-4.22	37.84	0.66
2430	-4.61	34.59	0.27
2440	-4.14	38.55	0.75
2450	-4.47	35.73	1.09
2460	-4.07	39.17	1
2470	-4.37	36.56	1.07
2480	-4.19	38.11	1.5
2490	-4.42	36.14	1.12
2500	-4.95	31.99	1.32