



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	WT05
Customer part number	305160007-01	Part number	ANT652402IB58-02
version	V2.0	describe	WT05-WIFI&BT 天线, FPC, 黑色, 二代端子, 0.81 线径, L=35MM
RF	HULIN	ME	LIZHIEN
technical manager	LIUFENG	date	2024/4/22

customer confirmation	
Does the assembly meet your company's requirements: ☐ OK ☐ NG	

地址：深圳市光明新区马田街道新庄社区将富路 10 号同富汉海达工业园 A 栋 701

2. Product specifications and technical parameters:

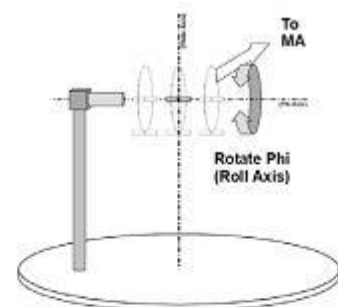
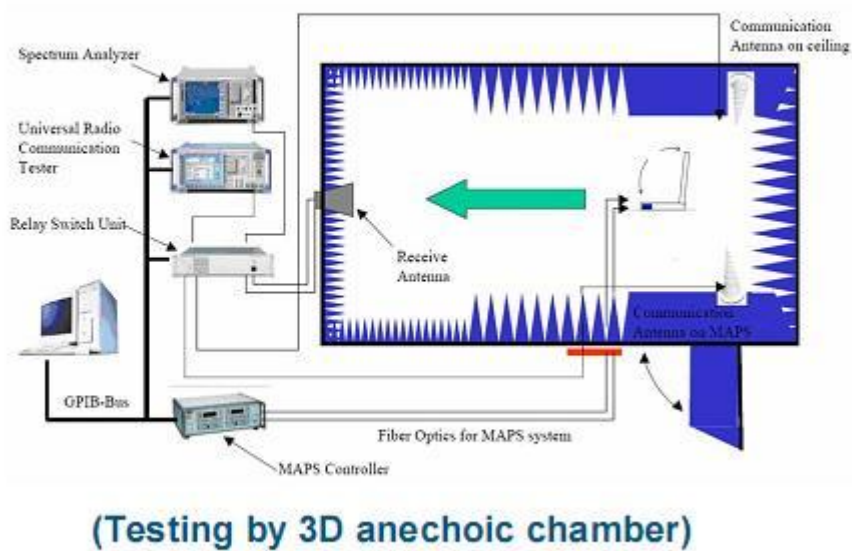
Electrical performance parameters	
Frequency range	2400-2500MHZ
Impedance	50 Ω
standing-wave ratio	≤ 2.5
Maximum gain	2.81dBi
efficiency	$> 25\%$
Polarization mode	vertical
Radiation direction	Omnidirectional
mechanical parameters	
Antenna size	21.6*15.85MM
Coaxial line type	$\Phi 0.81$
Joint type	Second generation terminals
Salt spray test	24H
Environmental parameters	
operation temperature	-45°C--+85°C

3. Test equipment

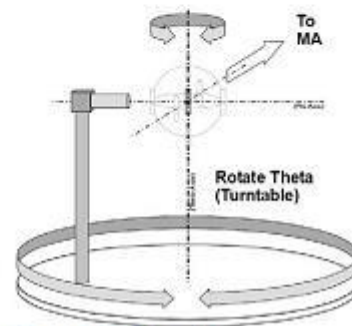
3.1. Agilent E5071C

3.2. CMW500 Agilent 8960

3.3. SATIMO-16 XH-24



Phi axis test



Theta axis test

4. Antenna testing parameters

S11



Passive Test			
Frequency /Mhz	Efficiency/ dB	Efficiency/ %	MaxGain/ dBi
2400	-4.1	38.6	1.62
2410	-4	39.5	1.69
2420	-3.9	40.6	1.75
2430	-3.8	41.2	1.78
2440	-3.7	42.1	2.08
2450	-3.7	42.5	2.21
2460	-3.7	41.9	2.26
2470	-3.8	41.4	2.47
2480	-3.8	40.8	2.62
2490	-4	39.7	2.78
2500	-4	39.4	2.81

