



深圳市安特通讯科技有限公司

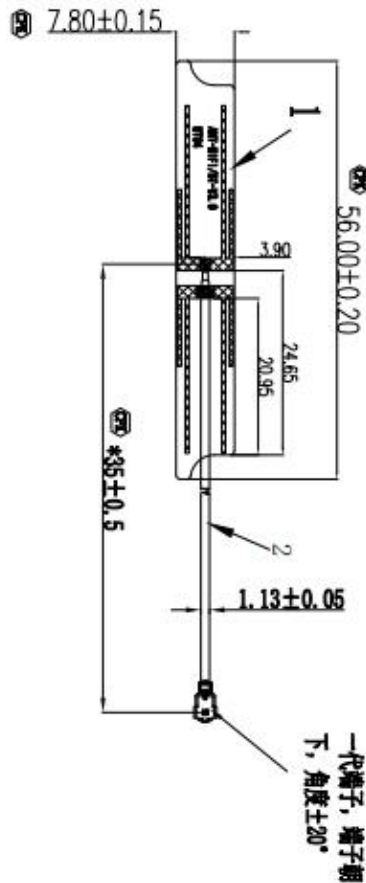
Shenzhen ANT Communication Technology Co., LTD.

Product specification sheet

customer	虎一	project	WT04 探针接收器
Customer part number		Part number	ANT652404IB58-02
version	V1.0	describe	WIFI/BT/FPC/CABLE L=35MM
RF	CHENGHE	ME	LIZHIEN
technical manager	LIUFENG	date	2024/4/16

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

1. Structural drawing file



5	6		7		8	
版本	标记	更改	内容	签名	日期	
V01		首次发行		李志國	2024.04.12	

[illegible]

2. Product specifications and technical parameters:

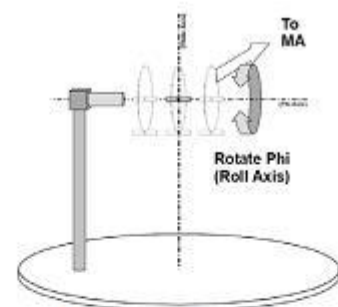
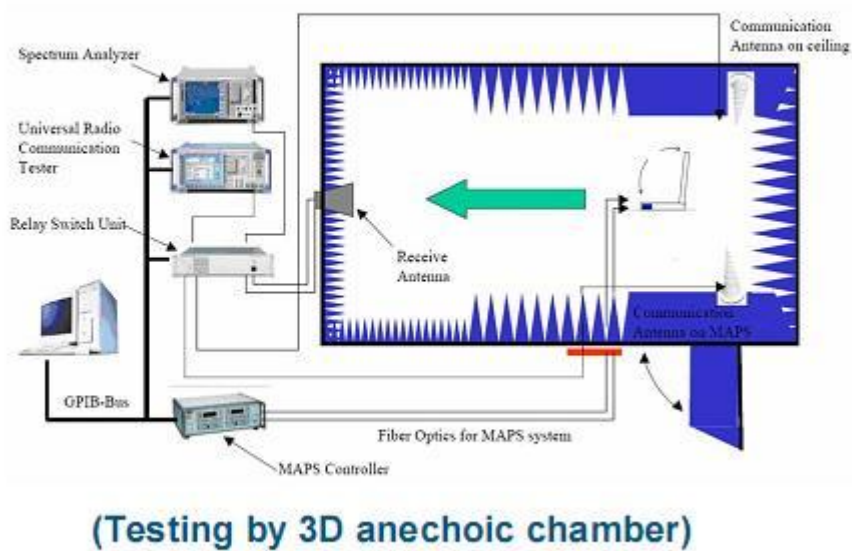
Electrical performance parameters	
Frequency range	2400-2500MHZ
Impedance	50 Ω
standing-wave ratio	≤ 3
Maximum gain	1.01dBi
efficiency	$> 32\%$
Polarization mode	vertical
Radiation direction	Omnidirectional
mechanical parameters	
Antenna size	56*7.8MM
Coaxial line type	$\phi 1.13$
Joint type	First generation terminals
Salt spray test	24H
Environmental parameters	
operation temperature	-45°C--+85°C

3. Test equipment

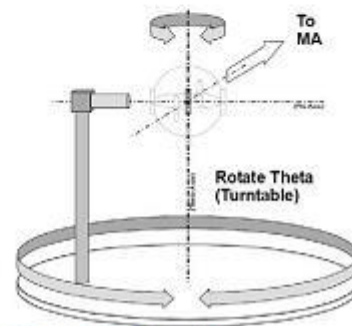
3.1. Agilent E5071C

3.2. CMW500 Agilent 8960

3.3. SATIMO-16 XH-24



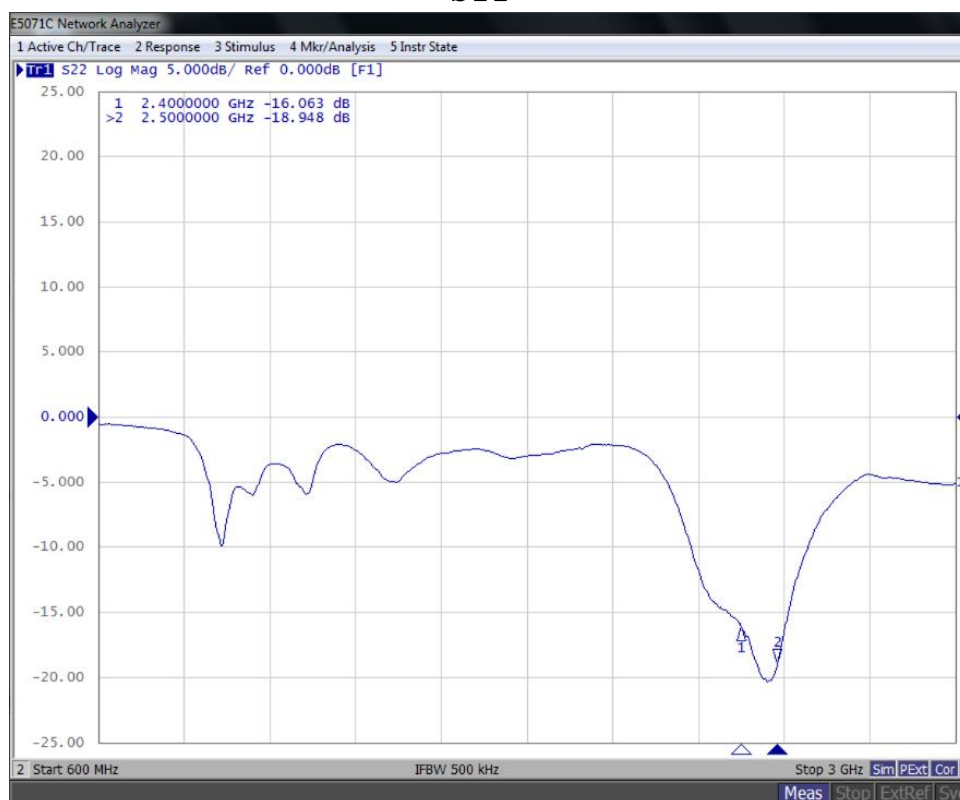
Phi axis test



Theta axis test

4. Antenna testing parameters

S11



Passive Test			
Frequency/Mhz	Efficiency/dB	Efficiency/%	MaxGain/dBi
2400	-4.52	35.11	1.01
2410	-4.72	33.42	0.54
2420	-4.36	33.17	-0.13
2430	-4.51	34.25	0.23
2440	-4.63	33.19	-0.17
2450	-4.62	33.52	0.43
2460	-4.71	33.18	0.55
2470	-4.34	33.14	0.42
2480	-4.54	33.7	0.31
2490	-4.72	32.6	0.32
2500	-4.69	33.19	-0.06