



深圳市安特通讯科技有限公司

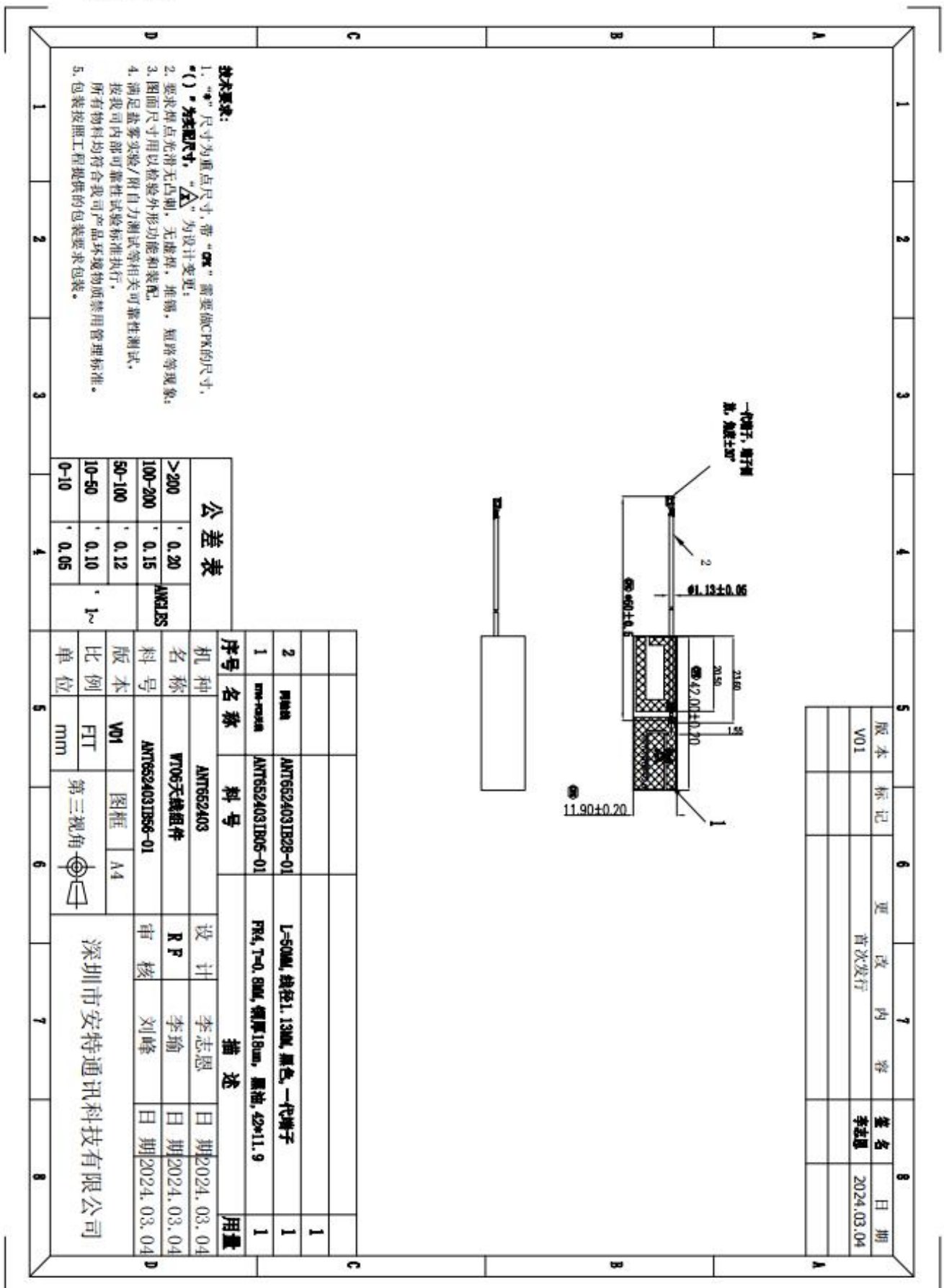
Shenzhen ANT Communication Technology Co., LTD.

Product specification sheet

customer	虎一	project	WT06
Customer part number		Part number	ANT652403IB56-01
version	V2.0	describe	PCB ANT, weld
RF	LIYU	ME	LIZHIEN
technical manager	LIUFENG	date	2024/3/4

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

1、Structural drawing file



2. Product specifications and technical parameters:

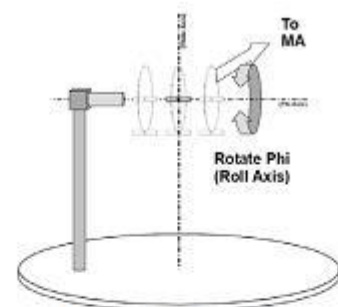
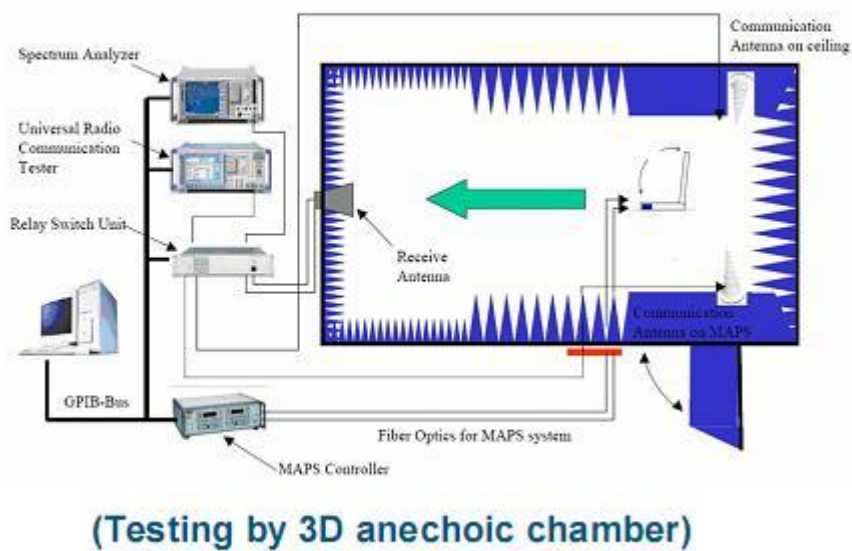
Electrical performance parameters	
Frequency range	2400-2500MHZ
Impedance	50 Ω
standing-wave ratio	≤ 2.5
Maximum gain	1.6dBi
efficiency	$>40\%$
Polarization mode	vertical
Radiation direction	Omnidirectional
mechanical parameters	
Antenna size	42*11.9MM
Coaxial line type	$\phi 1.13$
Joint type	Second generation terminals
Salt spray test	24H
Environmental parameters	
operation temperature	-45°C--+85°C

3. Test equipment

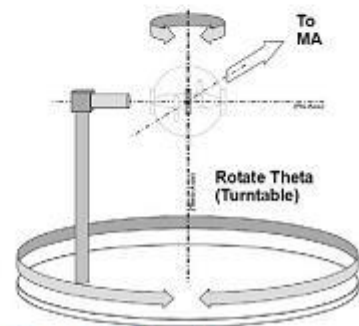
3.1. Agilent E5071C

3.2. CMW500 Agilent 8960

3.3. SATIMO-16 XH-24



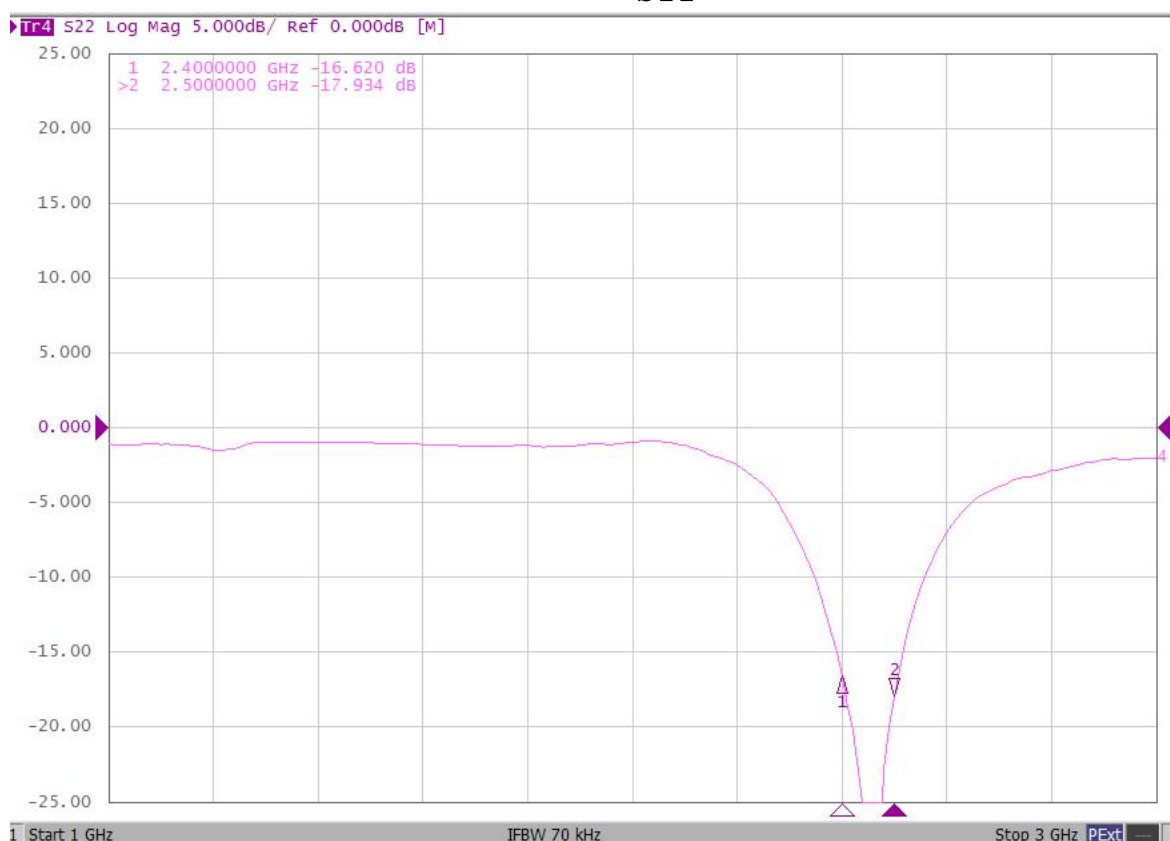
Phi axis test



Theta axis test

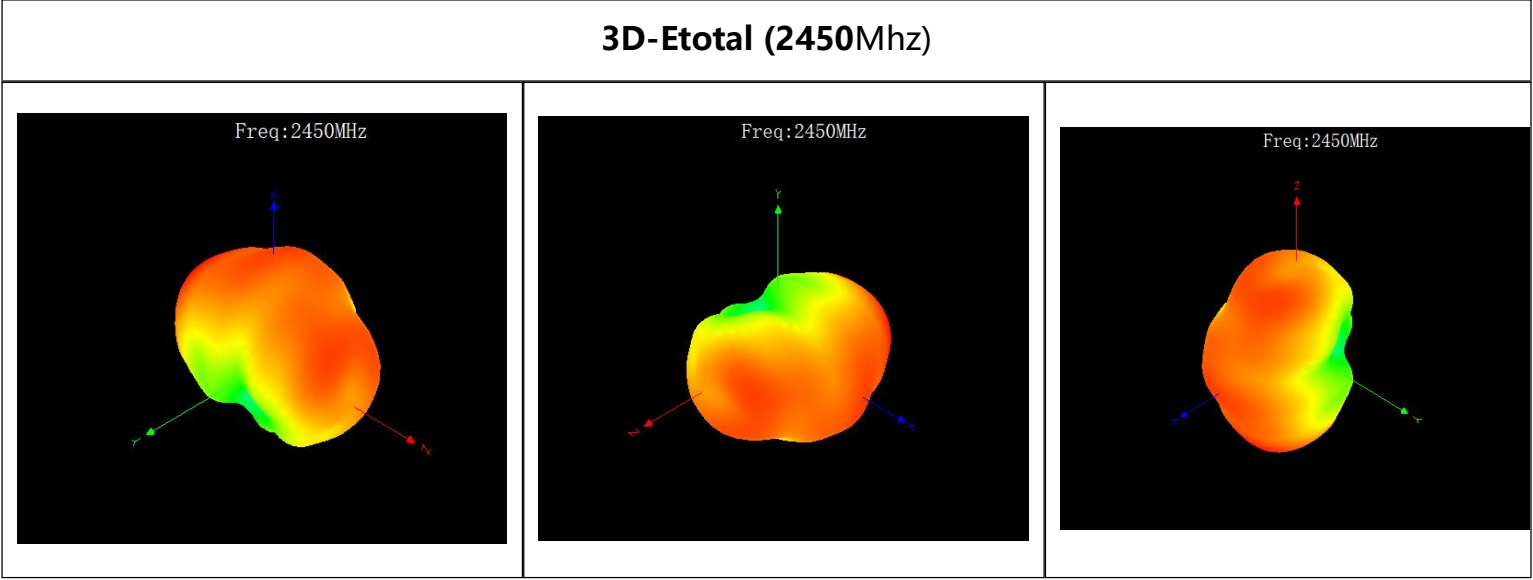
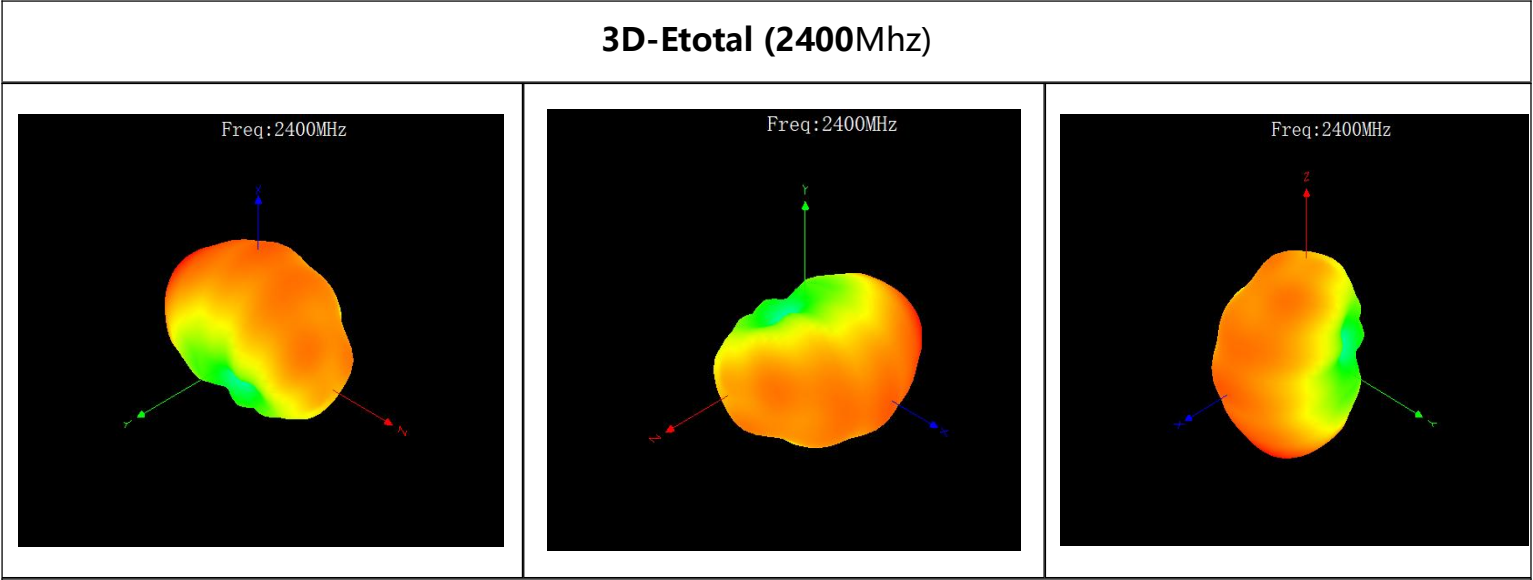
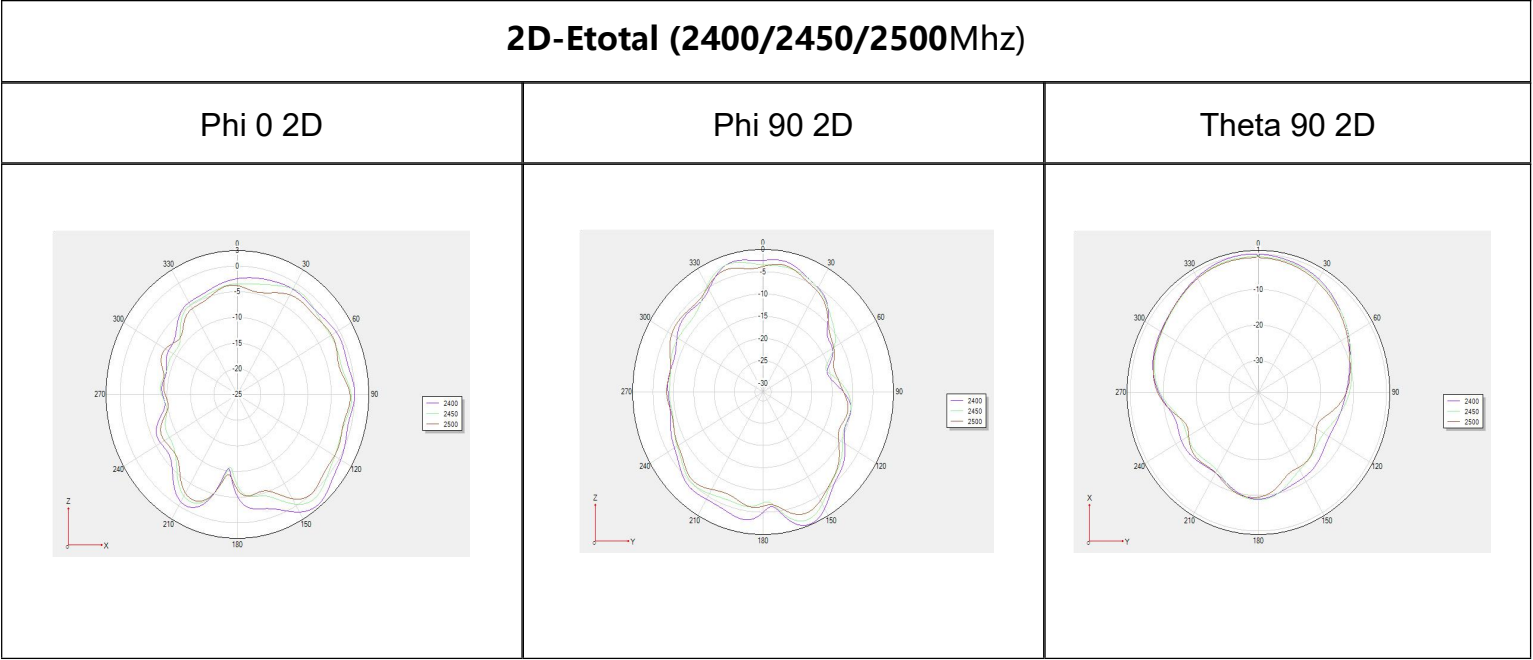
4. Antenna testing parameters

S11



Passive Test			
Frequency/Mhz	Efficiency/dB	Efficiency/%	MaxGain/dBi
2400	-3.88	40.9	1.42
2410	-3.72	42.4	1.48
2420	-3.66	43	1.35
2430	-3.52	44.4	1.38
2440	-3.61	43.5	1.52
2450	-3.62	43.4	1.35
2460	-3.69	42.7	1.6
2470	-3.61	43.5	1.42
2480	-3.79	41.7	1.36
2490	-3.70	42.6	1.32
2500	-3.85	41.1	1.06

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3D-Etotal (2500Mhz)

