



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	X179-916M 探针
Customer part number		Part number	
version	V1.0	describe	板载 916M 天线
RF	YANGSHIHAI	ME	XUZHENYANG
technical manager	WUBO	date	2025/4/14

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

1.Structural drawing file

2. Product specifications and technical parameters:

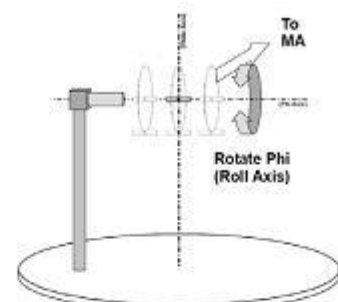
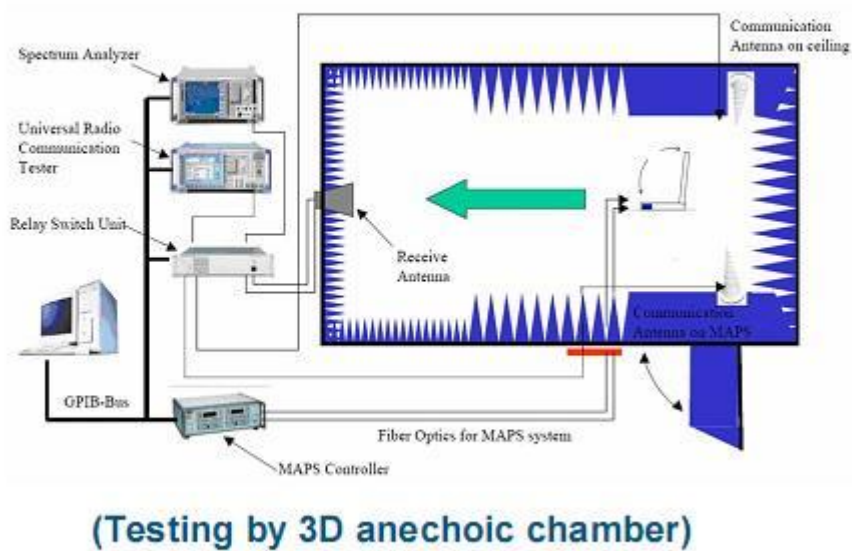
Electrical performance parameters	
Frequency range	900-930MHZ
Impedance	50 Ω
VSWR	$\leq 4\text{db}$
Maximum gain	-1.96dBi
efficiency	$> 20\%$
Polarization mode	vertical
Radiation direction	Omnidirectional

3. Test equipment

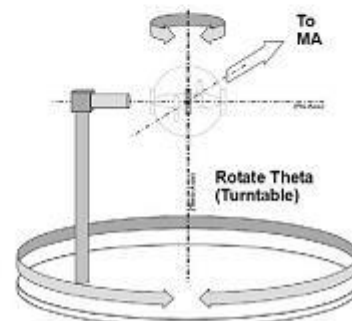
3.1. Agilent E5071C

3.2. CMW500 Agilent 8960

3.3. SATIMO-16 XH-24



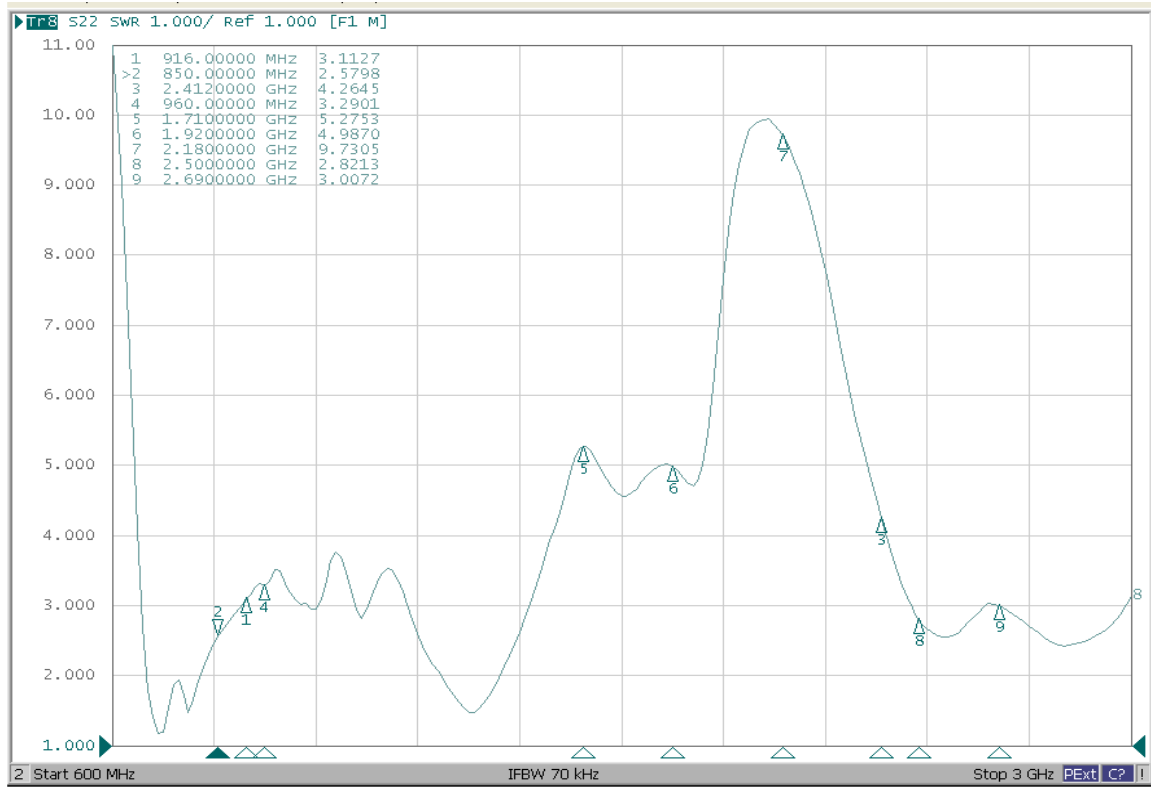
Phi axis test



Theta axis test

4. Antenna testing parameters

S11



Frequency/Mhz	Efficiency/dB	Efficiency	MaxGain/dBi
850	-7.67	17.1%	-3.9
860	-7.04	19.8%	-3.03
870	-6.82	20.8%	-2.97
880	-6.52	22.3%	-2.41
890	-6.46	22.6%	-2.58
900	-5.5	28.2%	-2.43
910	-5.32	29.4%	-2.36
920	-5.61	27.5%	-2.26
930	-5.15	30.6%	-1.96
940	-5.73	26.7%	-2.3
950	-5.23	30.0%	-1.92