



SAMPLE FOR APPROVAL

CUSTOMER: 厦门纵行信息科技有限公司

PART NUMBER: YX-92002V-360-NK CUS REV: 01

DESCRIPTION: 920MHZ 全向玻璃钢天线

SUBMITTED DATES: 2020.06.11 YX REV: 01

ENCLOSED: ☒ DRAWING ☒ INSPECTION REORT
☒ SPECIFICATION SHEET

CUSTOMER	QA	APPROVED	MADE
	温景川	朱强武	朱强武



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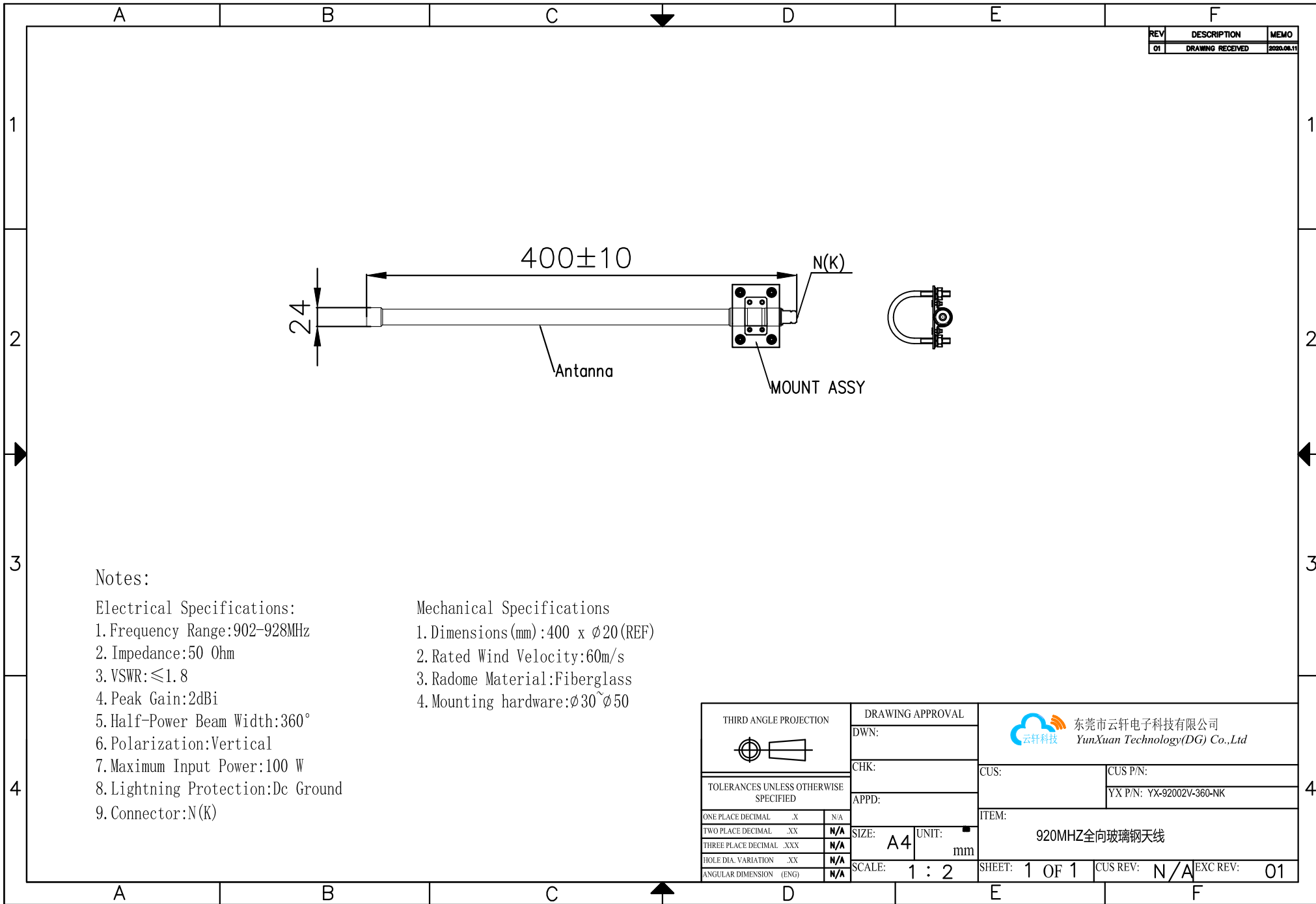
东莞市云轩电子科技有限公司

YX-92002V-360-NK

规格书



Electrical Specifications电性能指标	
Frequency range (MHz) 频率范围	902~928
Bandwidth(MHZ) 带宽	27
VSWR 电压驻波比	≤1.8
Input Impedance (Ω) 输入阻抗	50
Gain (dBi) 增益	2.38
Polarization极化方式	V垂直
H plan beam width水平波束宽度	360°
V plan beam width垂直波束宽度	50°
Efficiency效率	>60%
Maximum input power (W) 最大功率	100
Lightning protection雷电保护	DC Ground直流接地
Mechanical Specifications	
Dimensions-mm (H/W/D) 天线尺寸	Φ 20*400mm
Rated Wind Velocity (m/s) 极限风速	60
Radome material天线罩材料	玻璃钢Fiberglass
Radome color天线罩颜色	灰Gray
connector type接头类型	N(K)
Operating temperature (° c) 工作温	- 40~60
Mounting hardware (mm) 抱杆直径	Φ 30~Φ 50
Rohs compliance Rohs符合性	Rohs compliant 符合ROHS规范



Product test report

NO.	Measurement	Specification	Unit	Test result
1	Frequency	902-928	MHz	900-930
2	VSWR	≤ 1.8	/	≤ 1.5
3	Gain	2dbi	dBi	2.3dbi
4	Connect type	N(K)	/	N(K)
5	Antenna color	Gray	/	Gray
6	Wire length	NA	MM	NA
7				
result	Qualified			

Inspection personnel: ted.yang

VSWR TEST

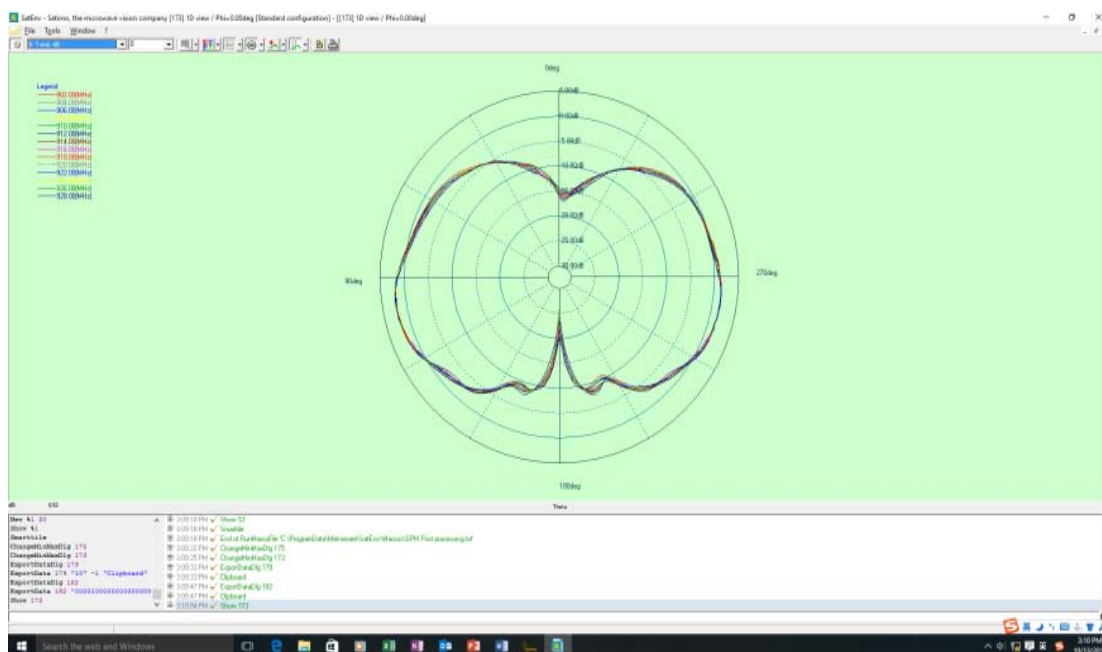


Radiation pattern

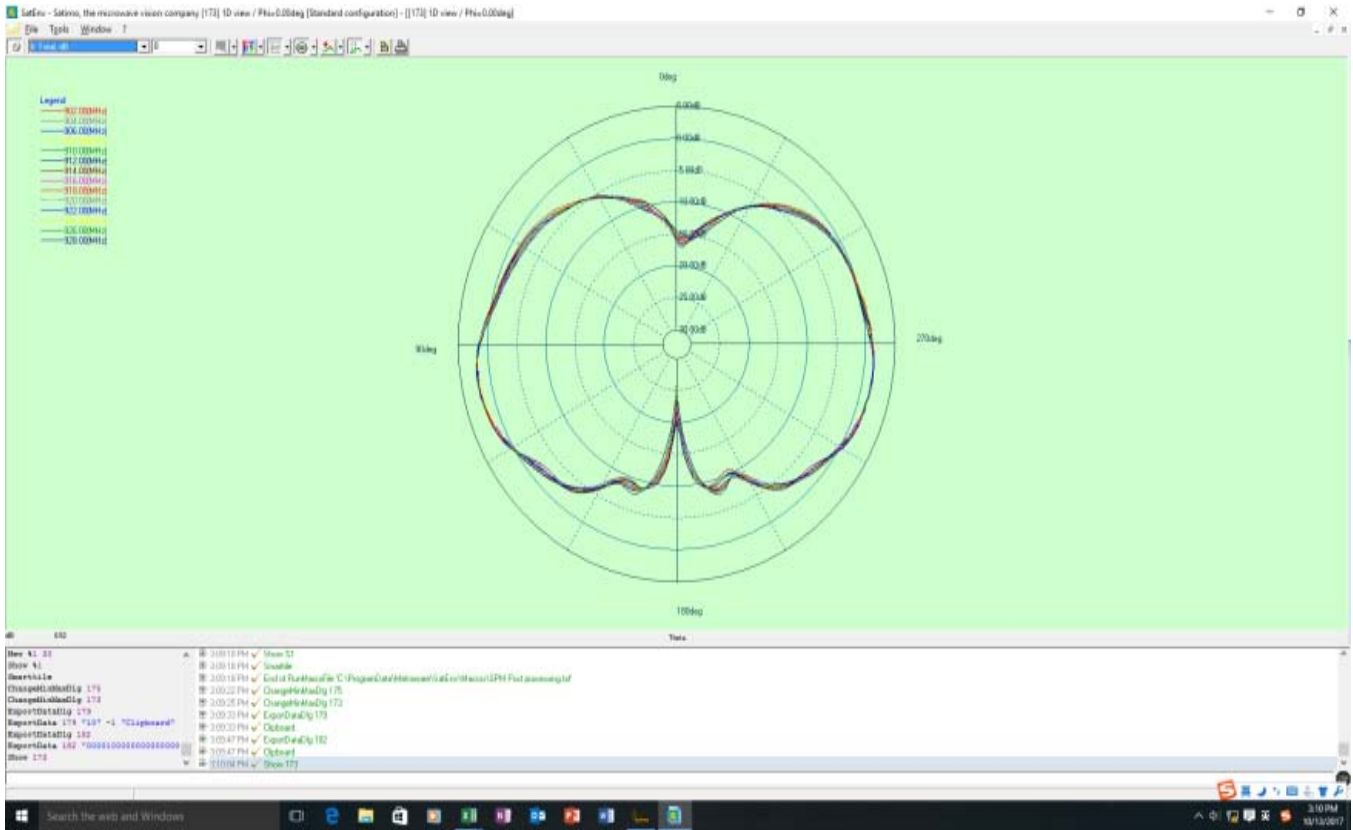
Gain test

Frequency	E Total. dB(dBi)	Efficiency()	Frequency	E Total. dB(dBi)	Efficiency()
902MHz	1.97	82%	916MHz	2.13	81%
904MHz	2.01	80%	918MHz	2.16	82%
906MHz	2.02	80%	920MHz	2.20	82%
908MHz	2.03	81%	922MHz	2.23	80%
910MHz	2.05	82%	924MHz	2.38	78%
912MHz	2.13	83%	926MHz	2.32	77%
914MHz	2.21	81%	928MHz	2.23	80%

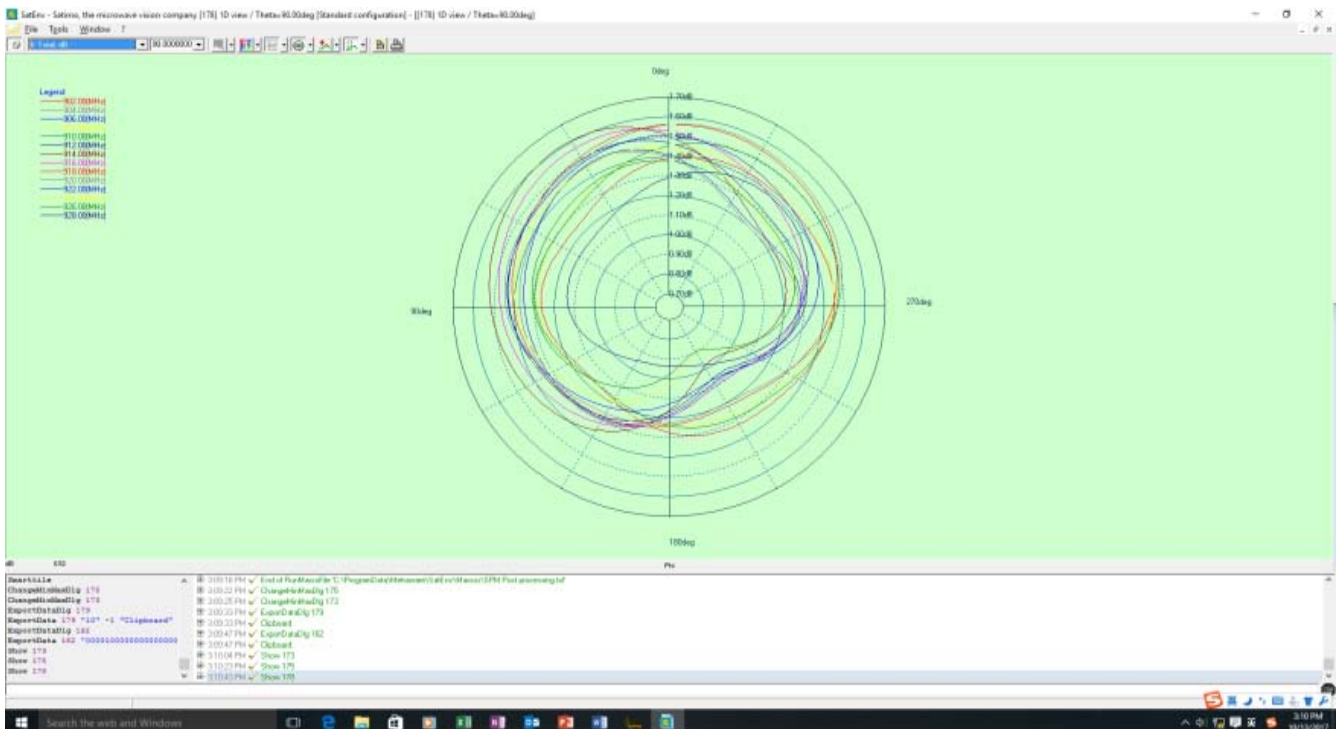
2D Antenna pattern



PHI=0



PHI=90



Theta=90