

Acknowledgement

SPECIFICATION FOR APPROVAL

CUSTOMER NAME:

PRODUCT NAME: Hardware antenna

CUSTOMER P/N:

Part number P/N: 20236200228 REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:		2023-06-20

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一、 Change resume

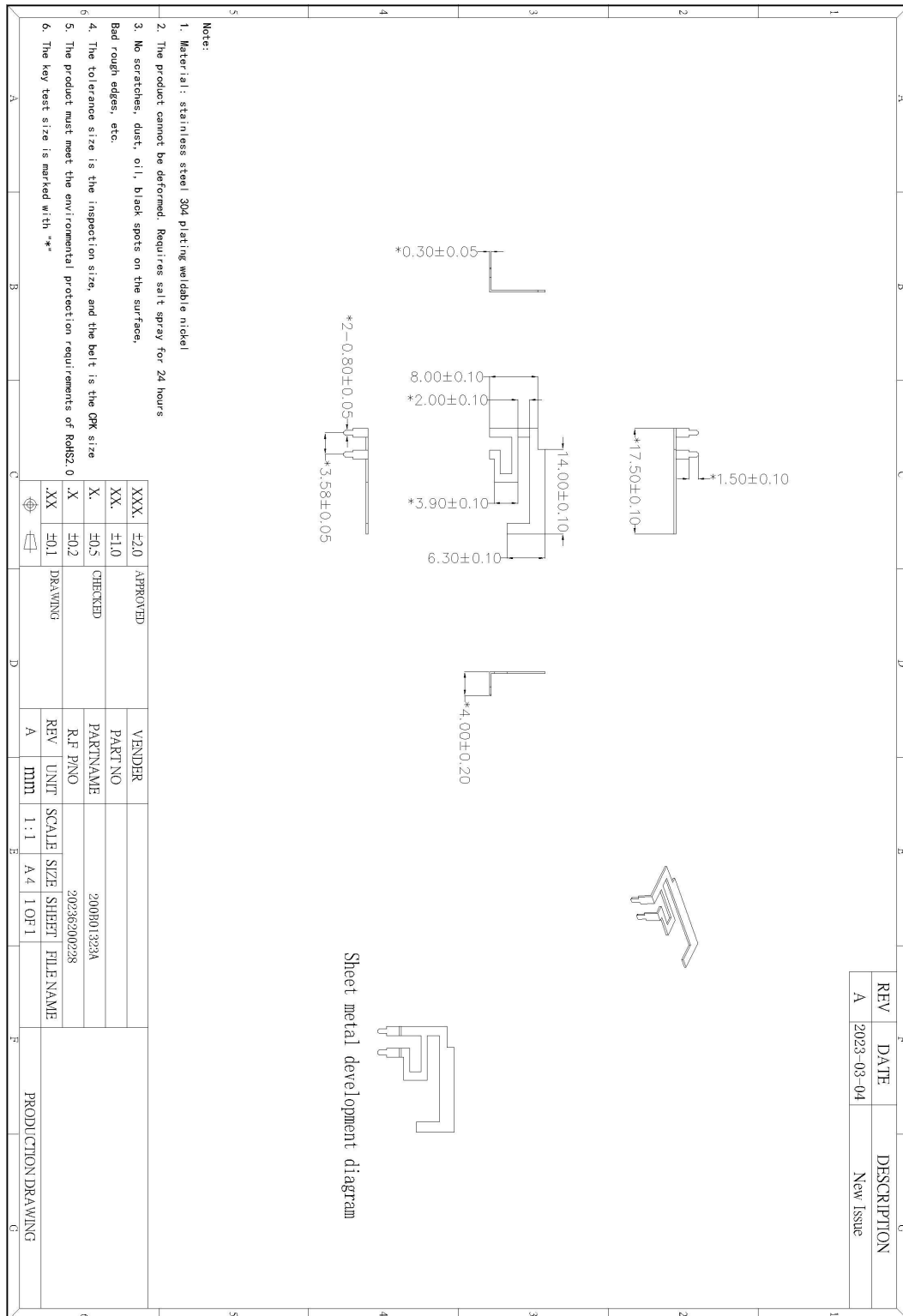
REV	DATE	Change log
A	2023-06-20	Initial release

二、Specification sheet

Product main technical parameters

主要技术指标		Main technical specifications	
Frequency Range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Impedance(Ω)	50	Impedance(Ω)	50
Gain(dBi)	4.37	Gain(dBi)	4.37
VSWR	≤ 2.0	VSWR	≤ 2.0
Radiation	Omni-directional	Radiation	Omni-directional
Connector Type	plug-in	Connector Type	plug-in
物理性能		Physical Properties	
Antenna cover	304 Nickel plating	Antenna cover	304 Nickel plating
Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C

三、Finished drawing



Project

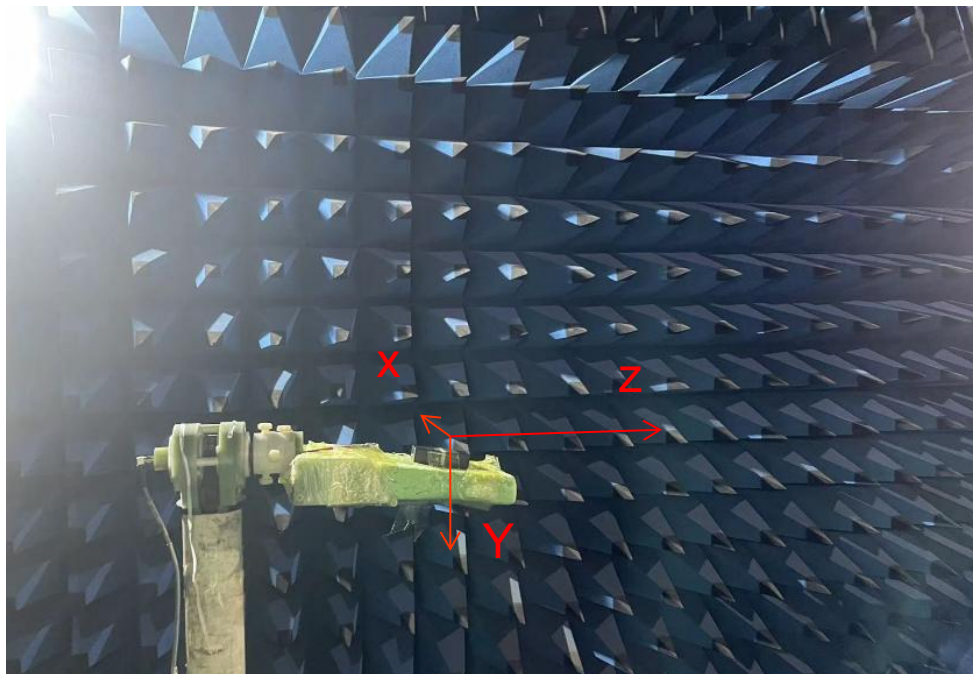


Prototype front



Back of prototype

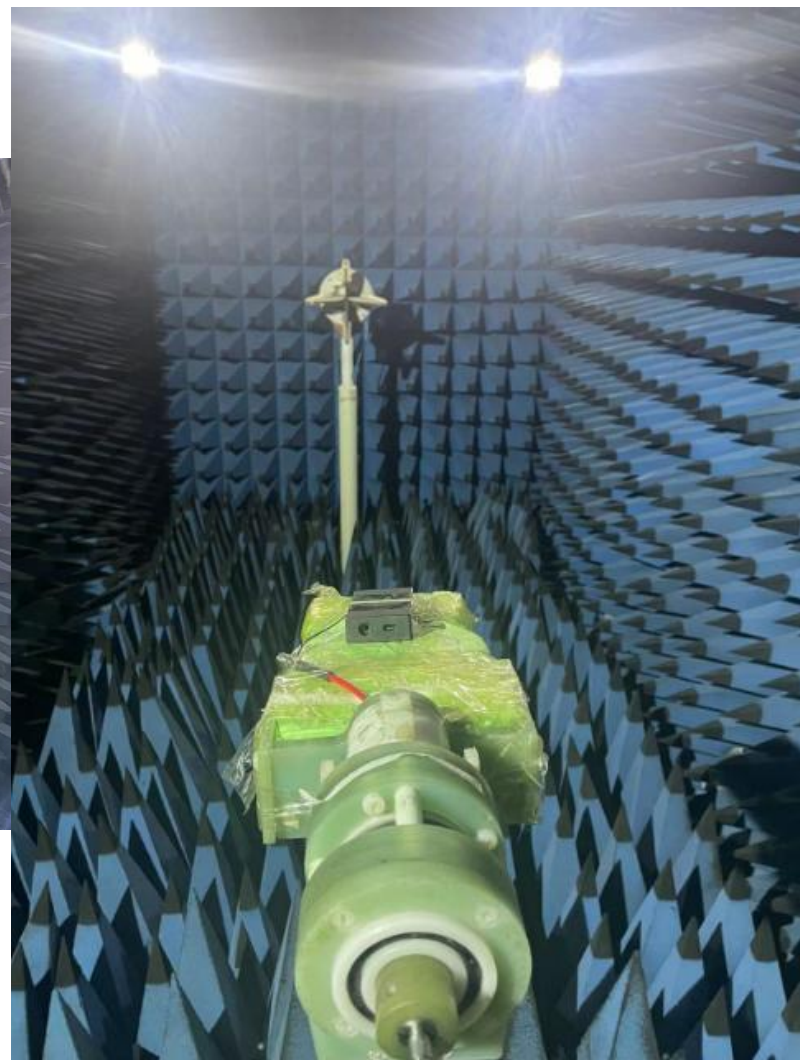
Coordinate



H面：XY面

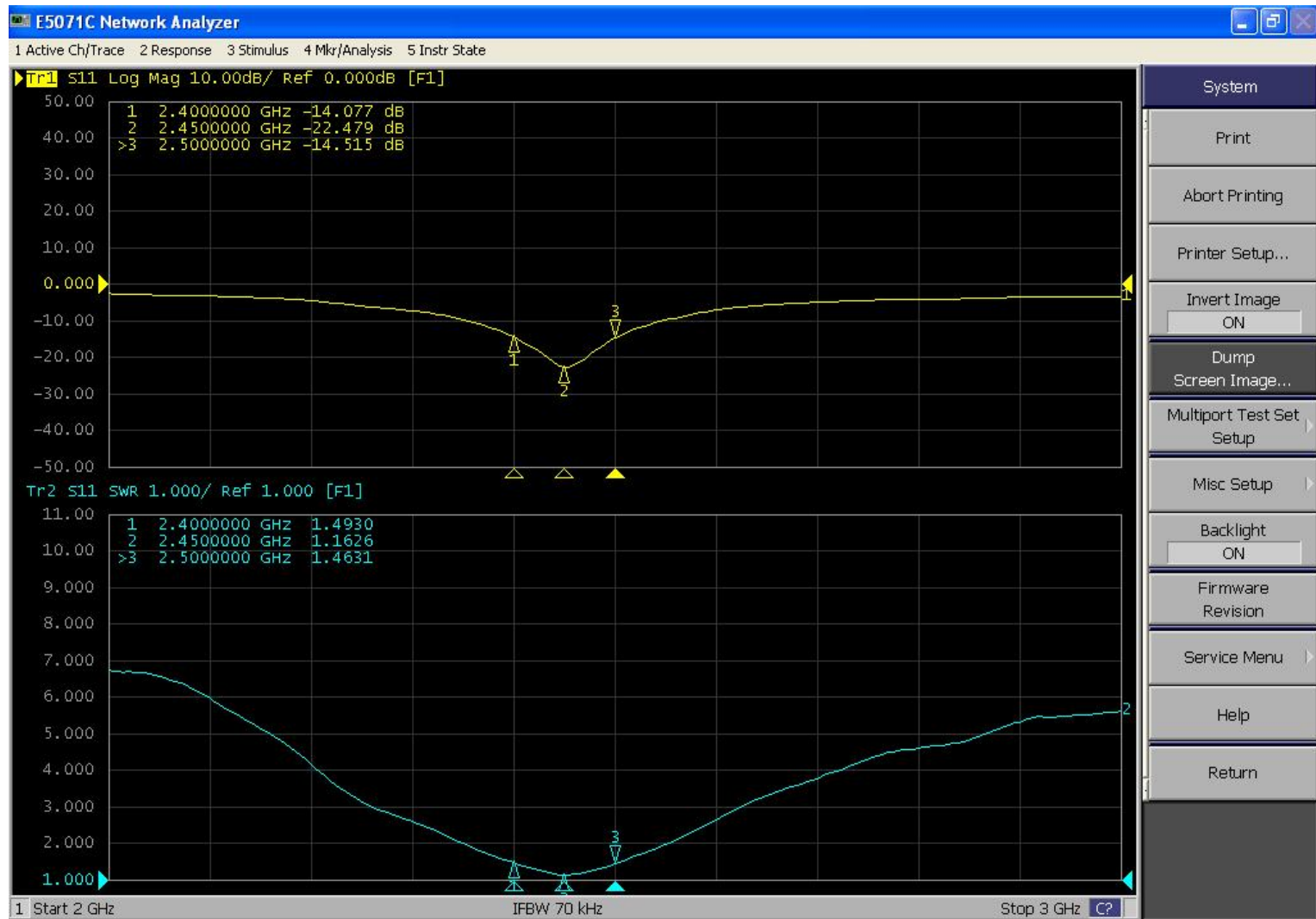
E1面：XZ面

E2面：YZ面



Project

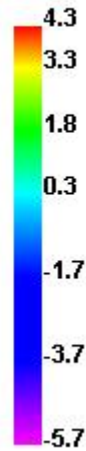
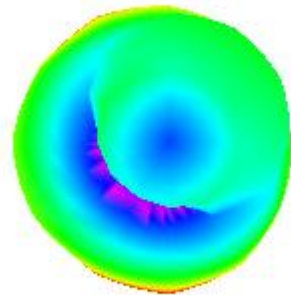
Return Loss-ANT



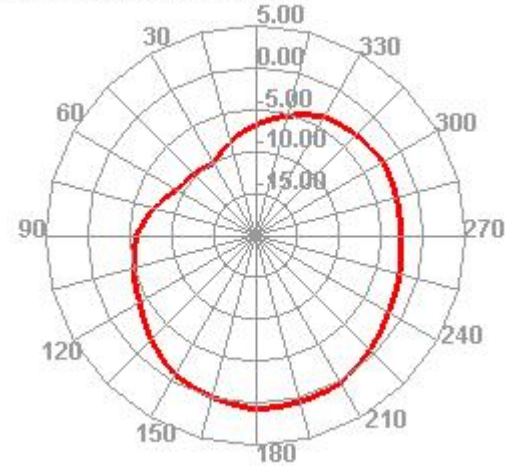
Project

2D/3D Pattern-ANT

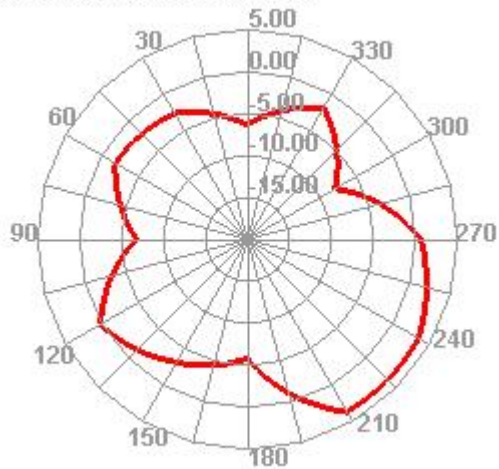
2450.000MHz



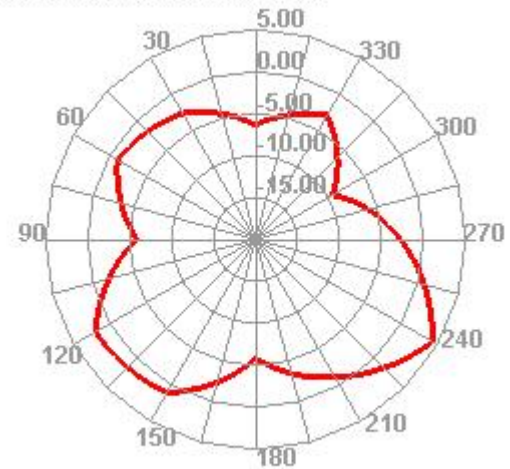
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



Gain table of Antenna

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	82.01	3.86
2410	76.63	3.41
2420	83.72	3.85
2430	82.54	4.11
2440	84.38	4.37
2450	85.21	4.34
2460	87.25	4.22
2470	86.24	4.17
2480	83.45	3.79
2490	86.83	3.85
2500	77.76	3.45

Project

Antenna position



ANT: 2.4-2.5g hardware